

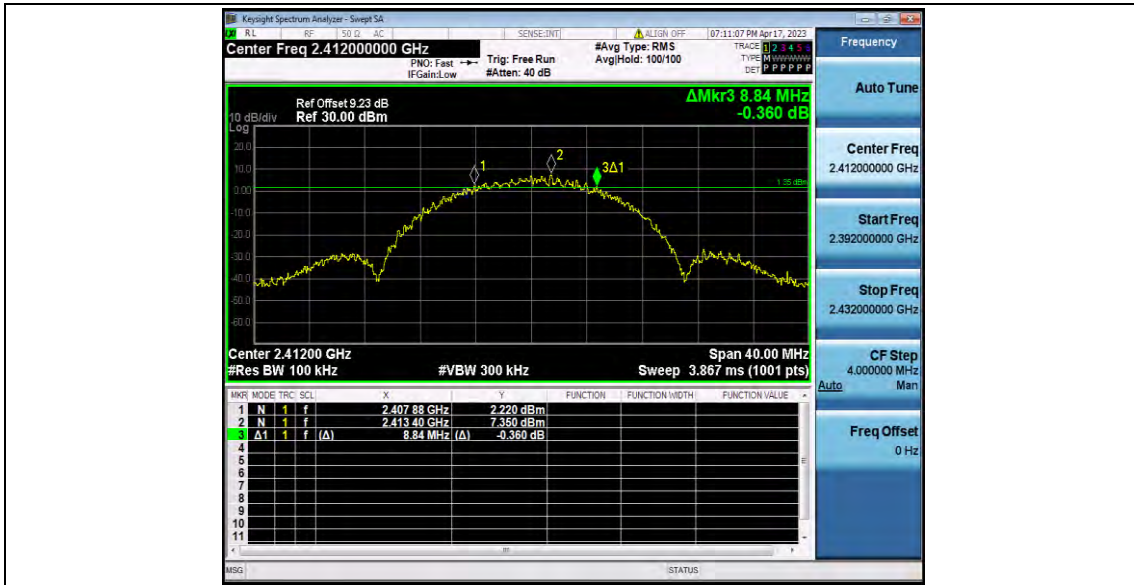
<b>Case No. :</b> <u>GTS20230331013-1-7</u>
<b>Ambient Condition:</b> <u>23</u> °C, <u>48</u> %RH, Atmos100.1Kpa,
<b>Test Date:</b> <u>2023.4.17</u> <b>Test Engineer:</b> <u>Jenny zeng</u>

## Appendix A.1: DTS Bandwidth

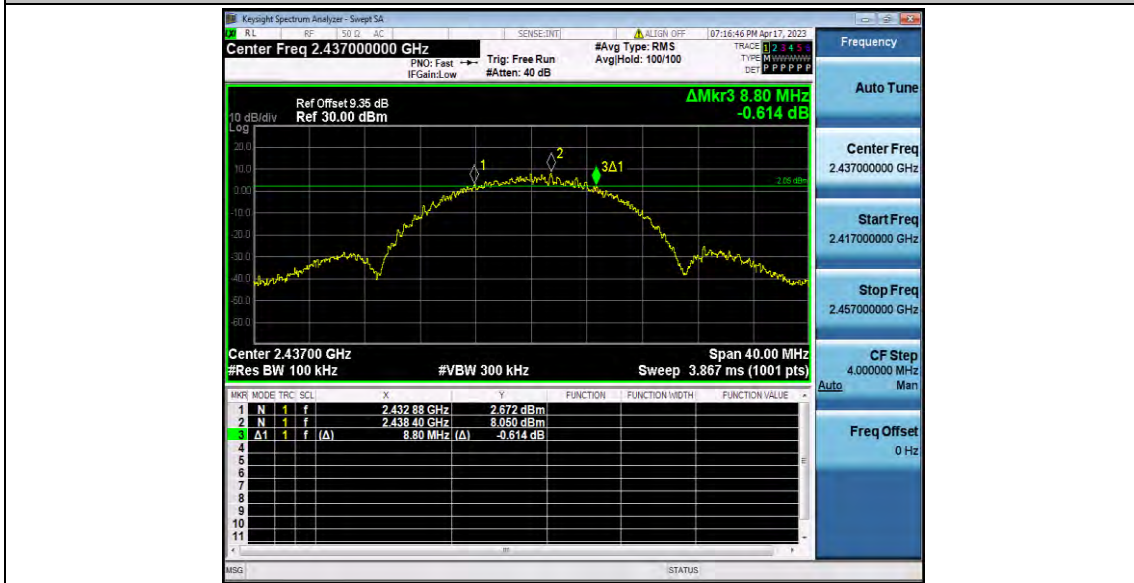
### Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.840	2407.880	2416.720	0.5	PASS
		2437	8.800	2432.880	2441.680	0.5	PASS
		2462	8.880	2457.840	2466.720	0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	0.5	PASS
		2437	16.400	2428.800	2445.200	0.5	PASS
		2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.600	2403.200	2420.800	0.5	PASS
		2437	17.600	2428.200	2445.800	0.5	PASS
		2462	17.760	2453.080	2470.840	0.5	PASS
11N40SISO	Ant1	2422	35.280	2404.880	2440.160	0.5	PASS
		2437	35.440	2419.400	2454.840	0.5	PASS
		2452	35.760	2434.400	2470.160	0.5	PASS

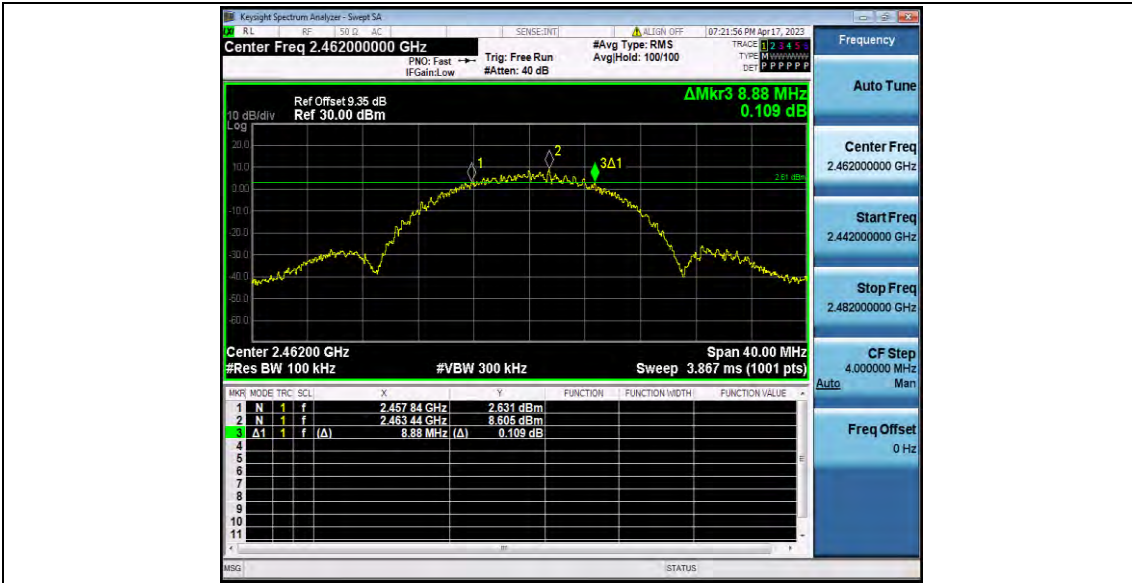
## Test Graphs



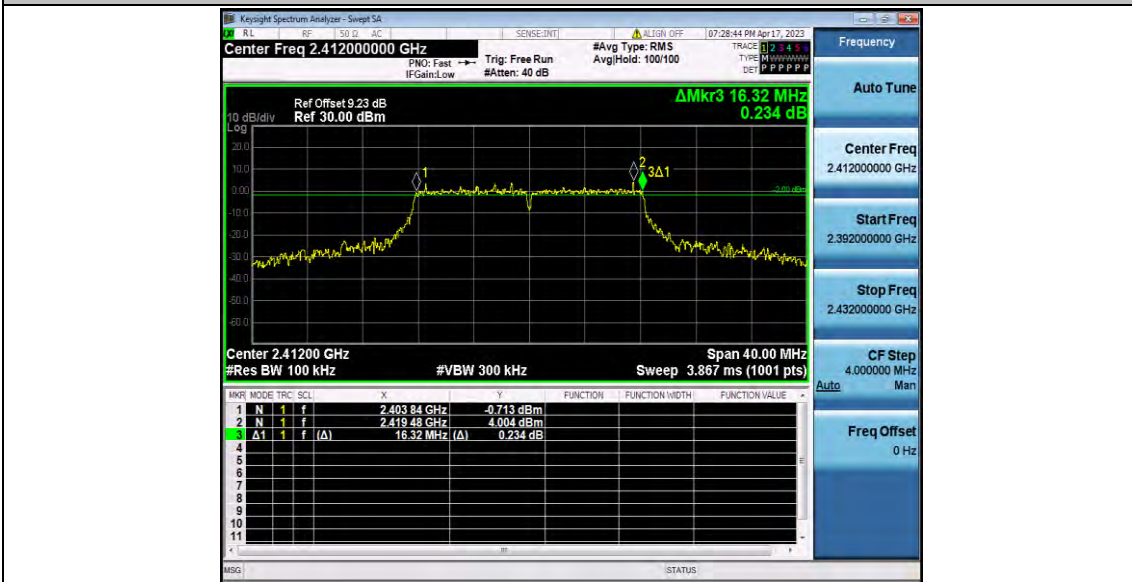
11B\_Ant1\_2412



11B\_Ant1\_2437



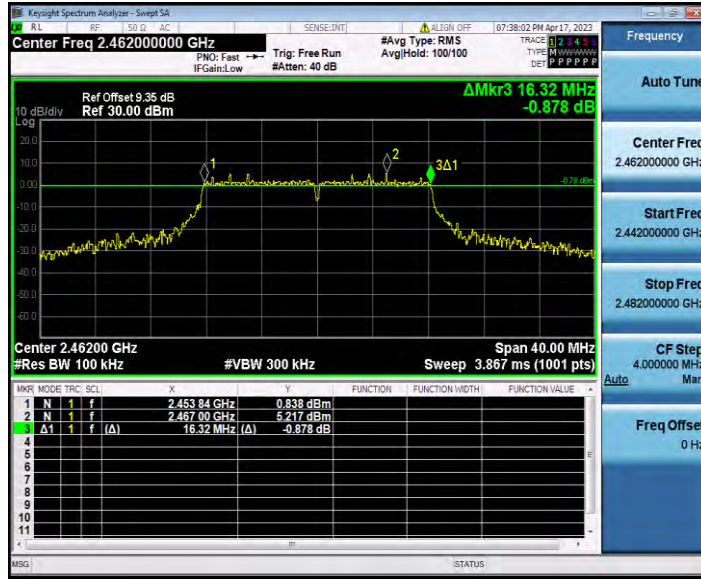
11B\_Ant1\_2462



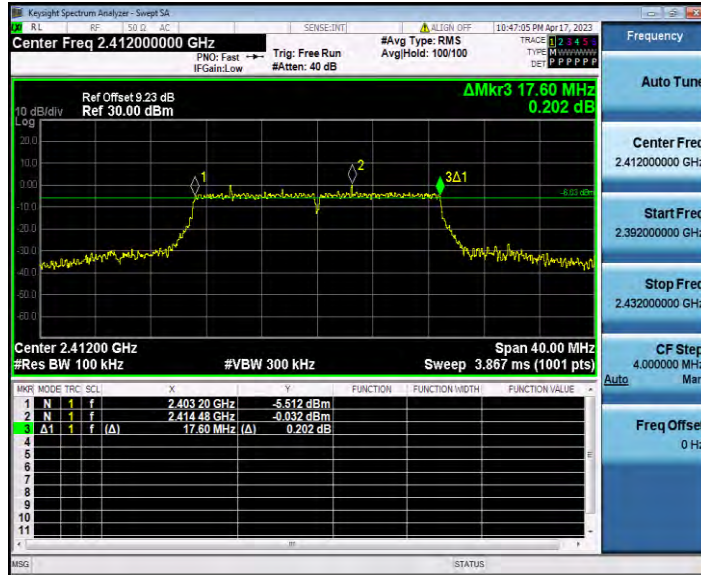
11G\_Ant1\_2412



11G\_Ant1\_2437

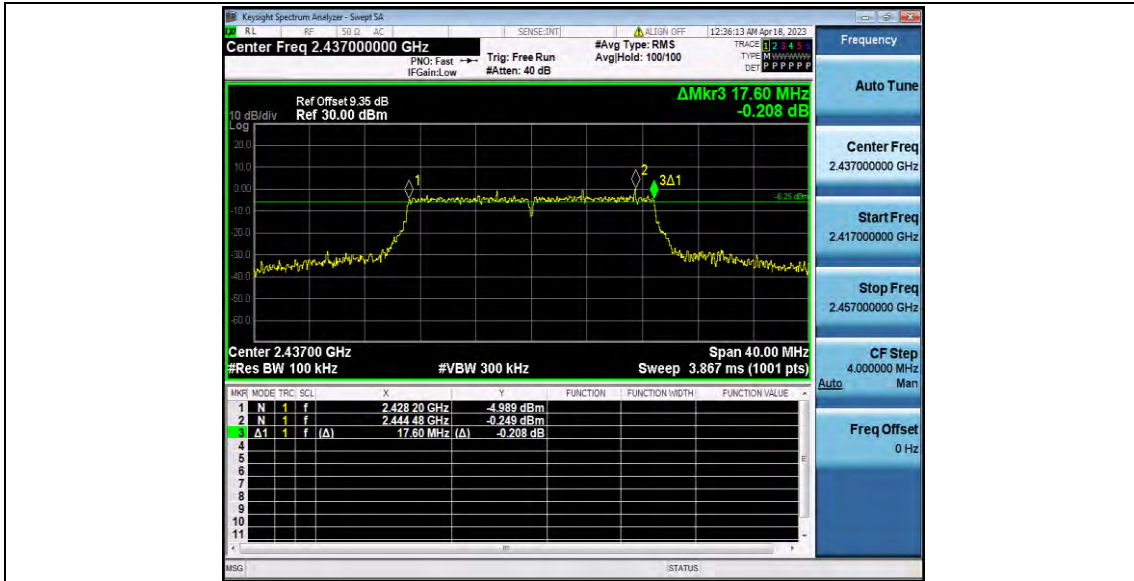


11G\_Ant1\_2462

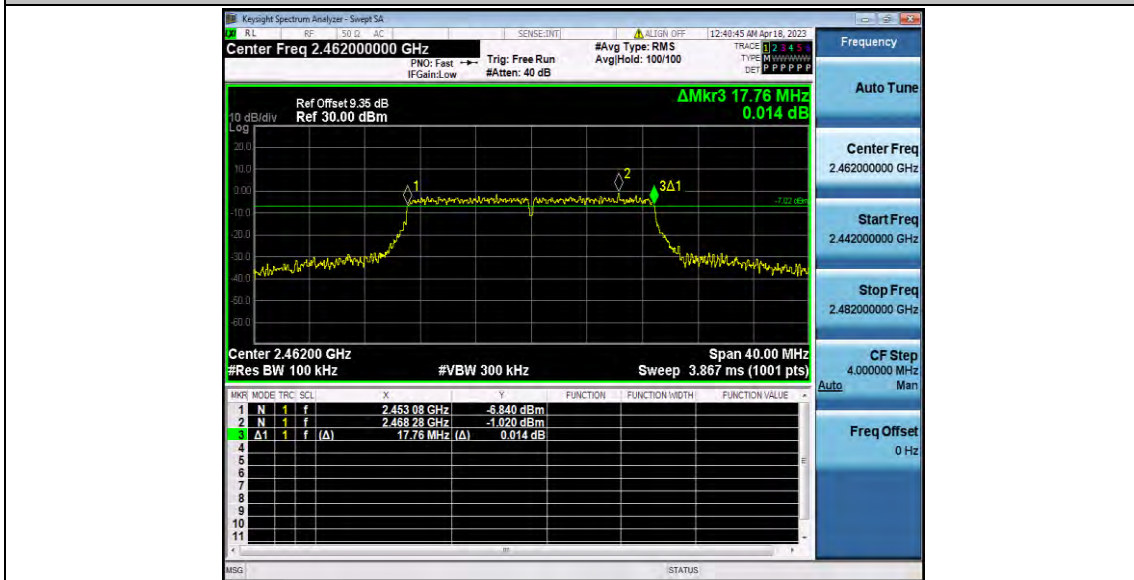


11N20SISO\_Ant1\_2412





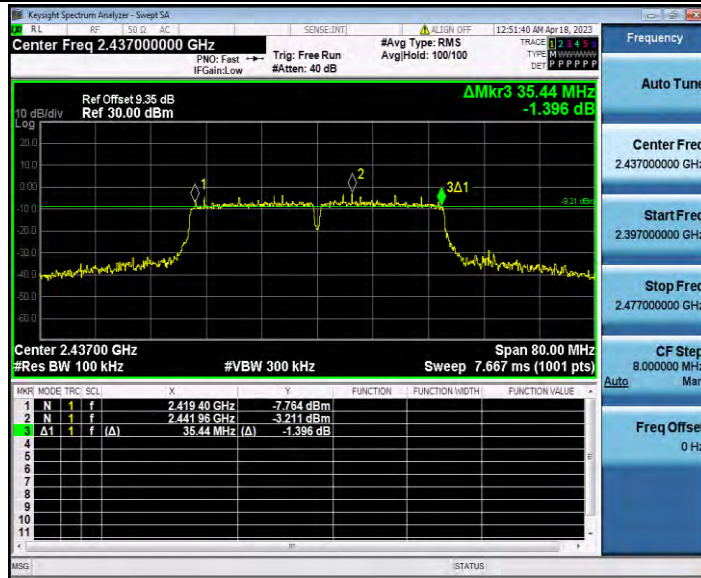
11N20SISO\_Ant1\_2437



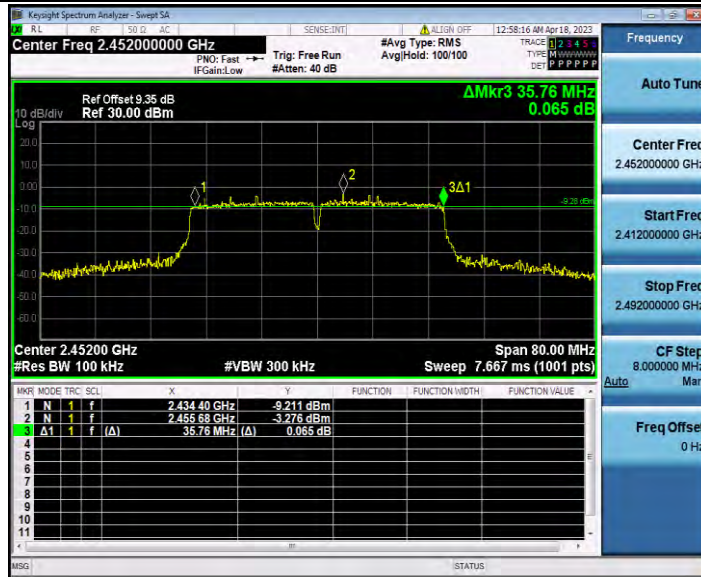
11N20SISO\_Ant1\_2462



11N40SISO\_Ant1\_2422



11N40SISO\_Ant1\_2437



11N40SISO\_Ant1\_2452

## Appendix A.2: Occupied Channel Bandwidth

### Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.963	2404.541	2419.504	---	---
		2437	14.924	2429.579	2444.503	---	---
		2462	14.879	2454.554	2469.433	---	---
11G	Ant1	2412	17.621	2403.237	2420.858	---	---
		2437	17.649	2428.189	2445.838	---	---
		2462	17.565	2453.195	2470.760	---	---
11N20SISO	Ant1	2412	18.372	2402.846	2421.218	---	---
		2437	18.345	2427.852	2446.197	---	---
		2462	18.312	2452.854	2471.166	---	---
11N40SISO	Ant1	2422	36.658	2403.714	2440.372	---	---
		2437	36.688	2418.724	2455.412	---	---
		2452	36.584	2433.739	2470.323	---	---

## Test Graphs



11B\_Ant1\_2412

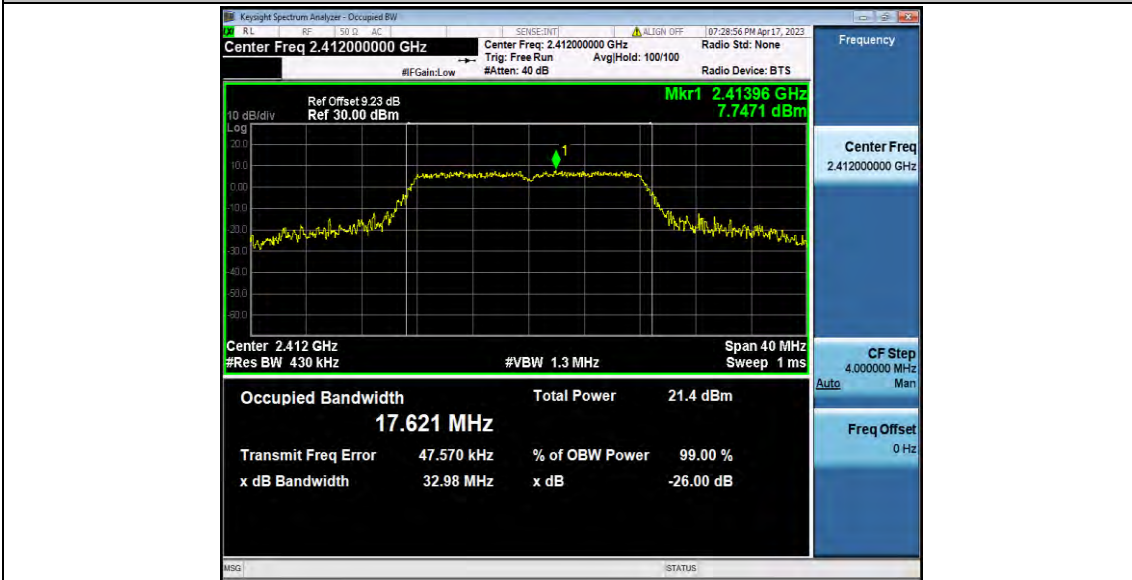


11B\_Ant1\_2437





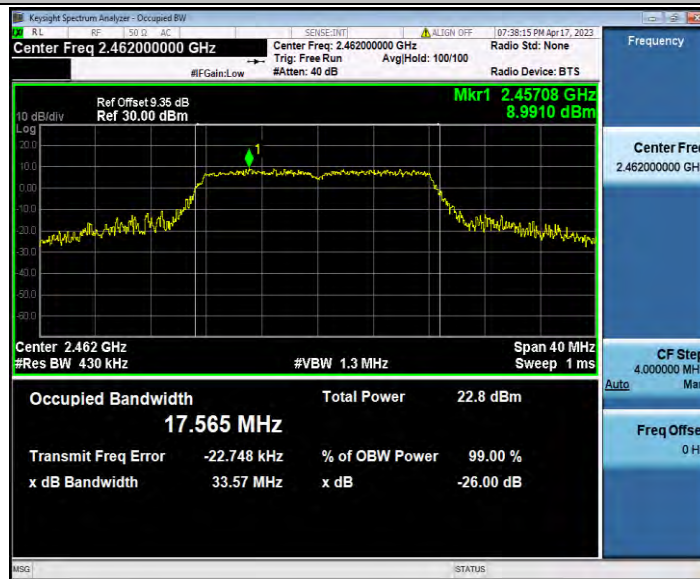
11B\_Ant1\_2462



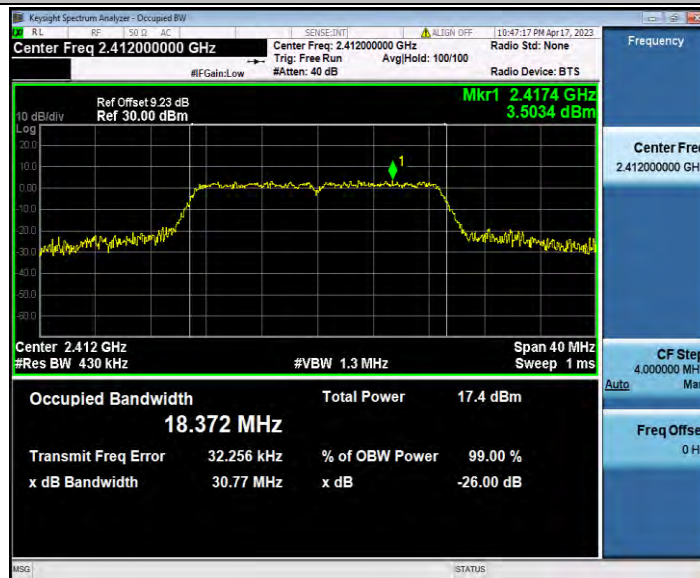
11G\_Ant1\_2412



11G\_Ant1\_2437



11G\_Ant1\_2462



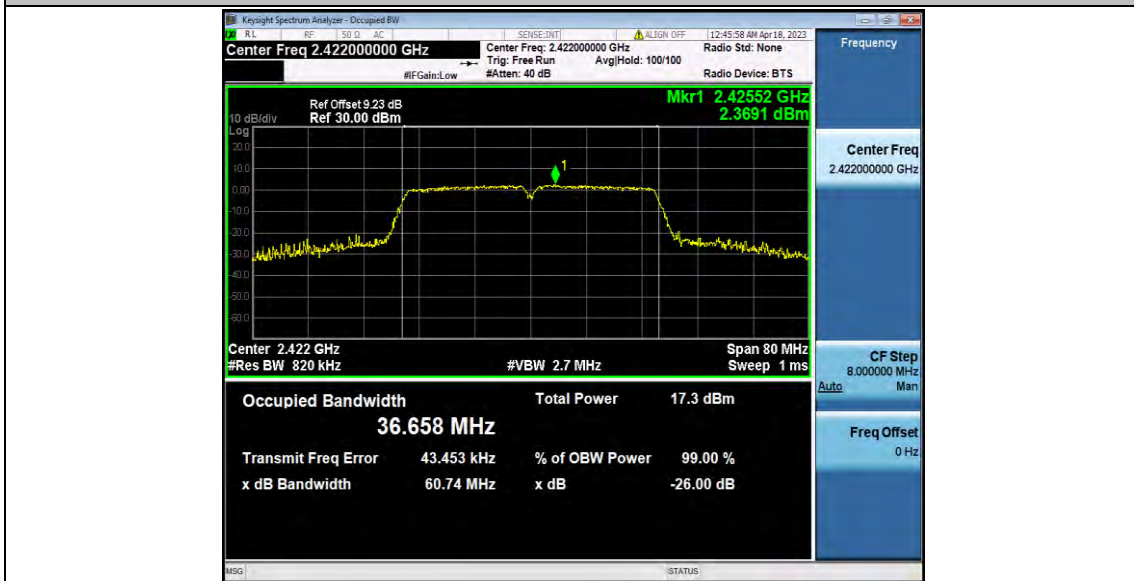
11N20SISO\_Ant1\_2412



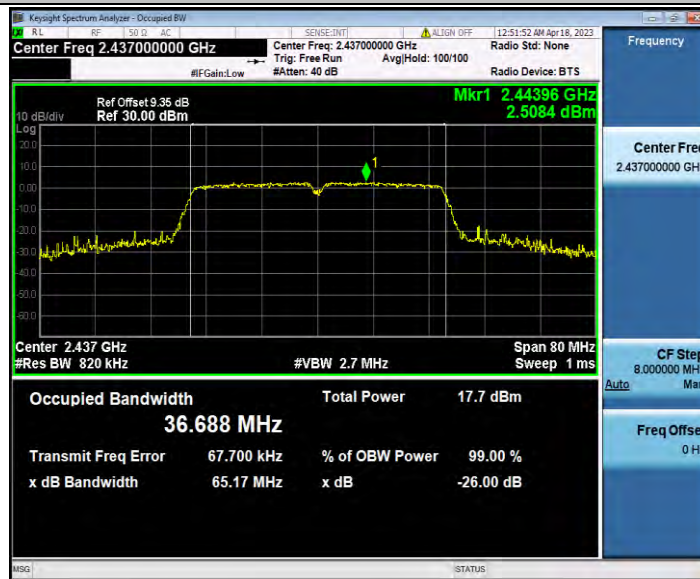
11N20SISO\_Ant1\_2437



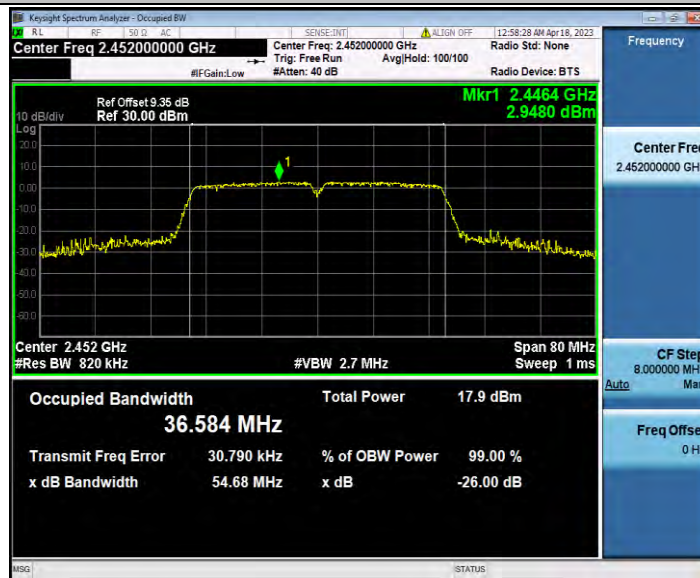
11N20SISO\_Ant1\_2462



11N40SISO\_Ant1\_2422



11N40SISO\_Ant1\_2437



11N40SISO\_Ant1\_2452

## Appendix A.3: Maximum conducted output power

### Test Result Peak

TestMode	Antenna	Frequency[M Hz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	21.66	≤30.00	PASS
		2437	22.27	≤30.00	PASS
		2462	22.74	≤30.00	PASS
11G	Ant1	2412	22.73	≤30.00	PASS
		2437	23.44	≤30.00	PASS
		2462	23.96	≤30.00	PASS
11N20SISO	Ant1	2412	18.55	≤30.00	PASS
		2437	18.73	≤30.00	PASS
		2462	19.21	≤30.00	PASS
11N40SISO	Ant1	2422	17.63	≤30.00	PASS
		2437	17.99	≤30.00	PASS
		2452	18.21	≤30.00	PASS

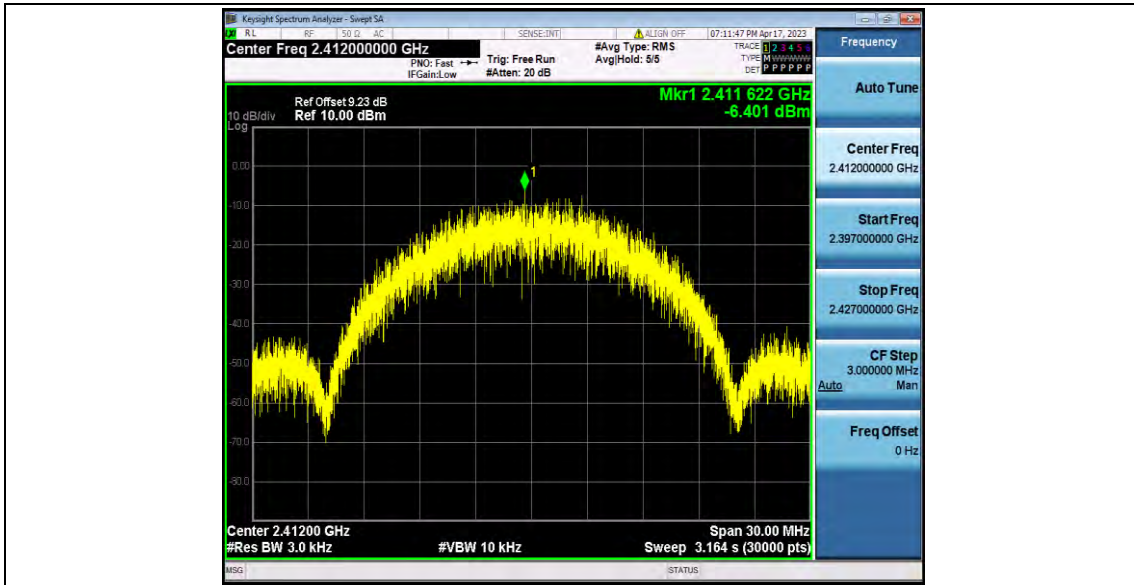


## Appendix A.4: Maximum power spectral density

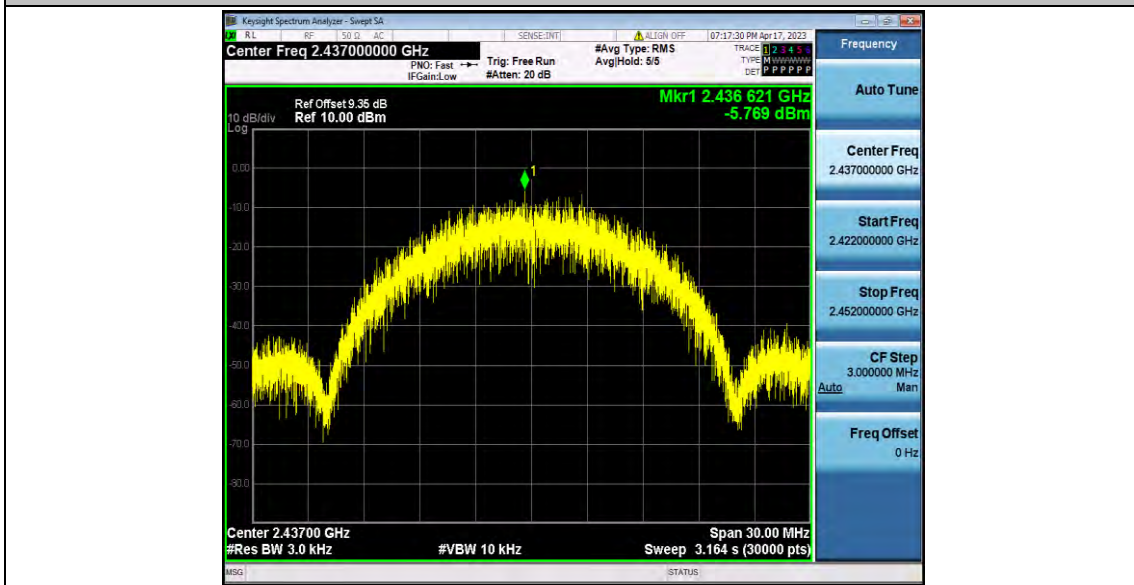
### Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-6.4	≤8.00	PASS
		2437	-5.77	≤8.00	PASS
		2462	-5.25	≤8.00	PASS
11G	Ant1	2412	-11.69	≤8.00	PASS
		2437	-10.54	≤8.00	PASS
		2462	-10.16	≤8.00	PASS
11N20SISO	Ant1	2412	-16.3	≤8.00	PASS
		2437	-14.94	≤8.00	PASS
		2462	-15.33	≤8.00	PASS
11N40SISO	Ant1	2422	-19.36	≤8.00	PASS
		2437	-17.76	≤8.00	PASS
		2452	-18.74	≤8.00	PASS

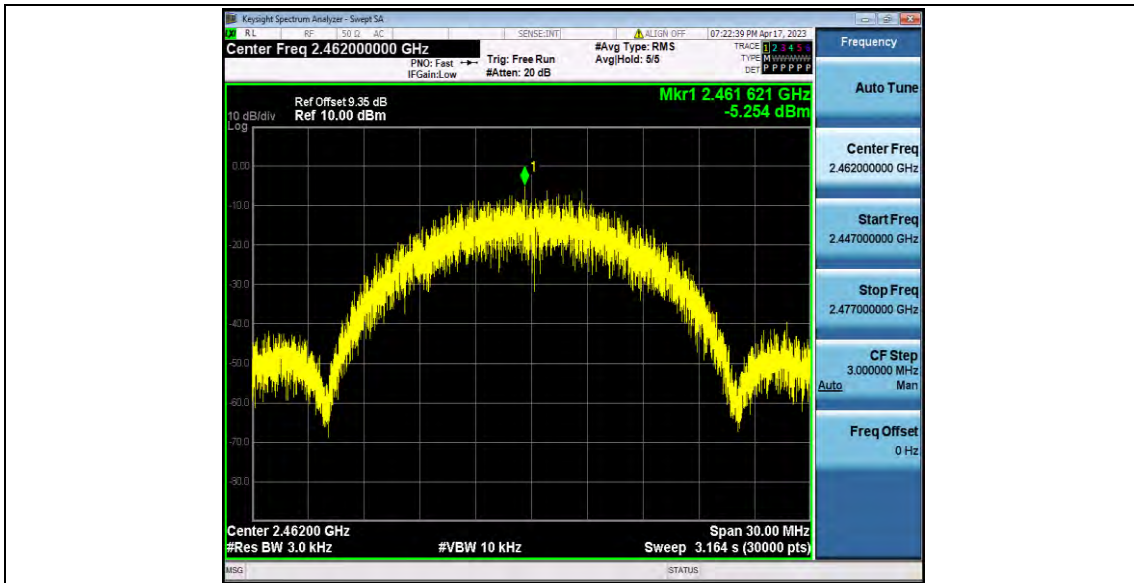
## Test Graphs



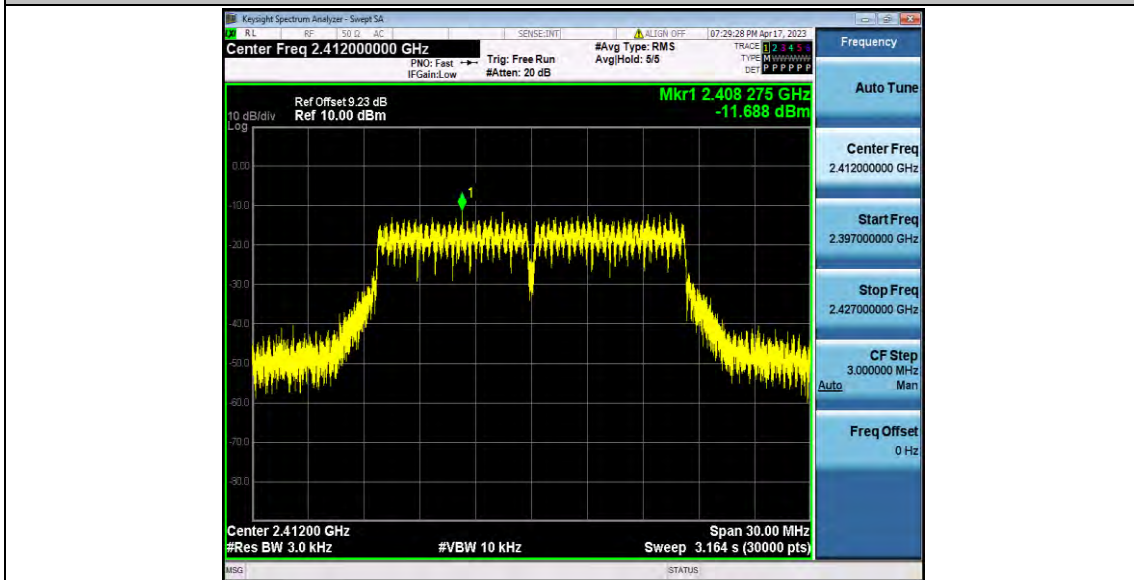
11B\_Ant1\_2412



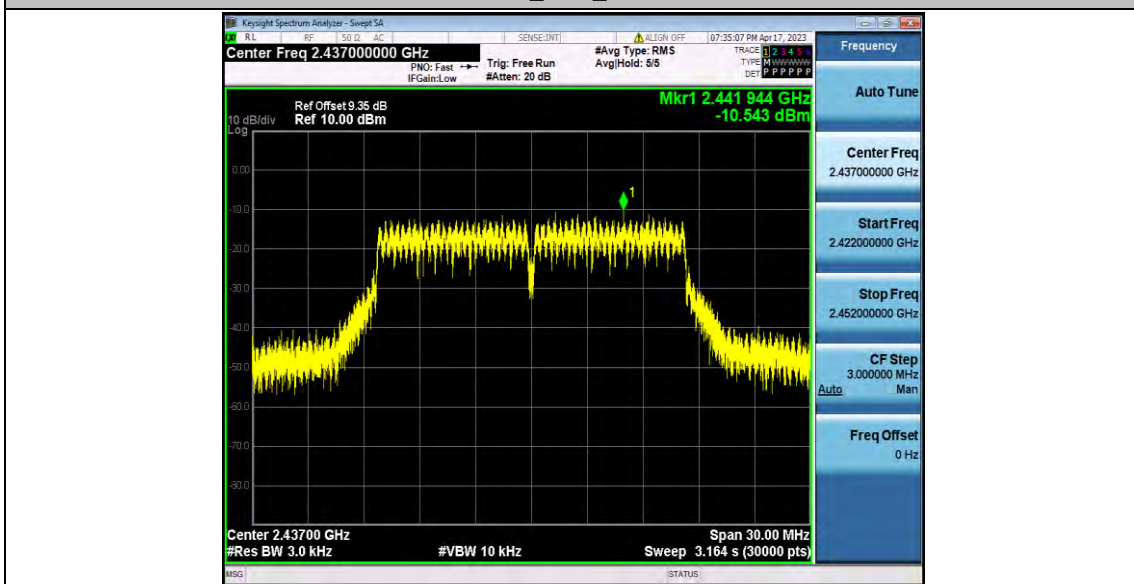
11B\_Ant1\_2437



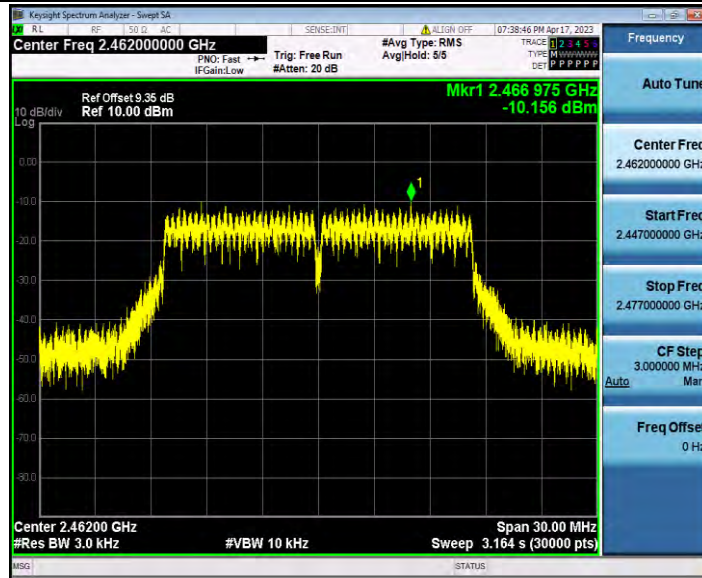
11B\_Ant1\_2462



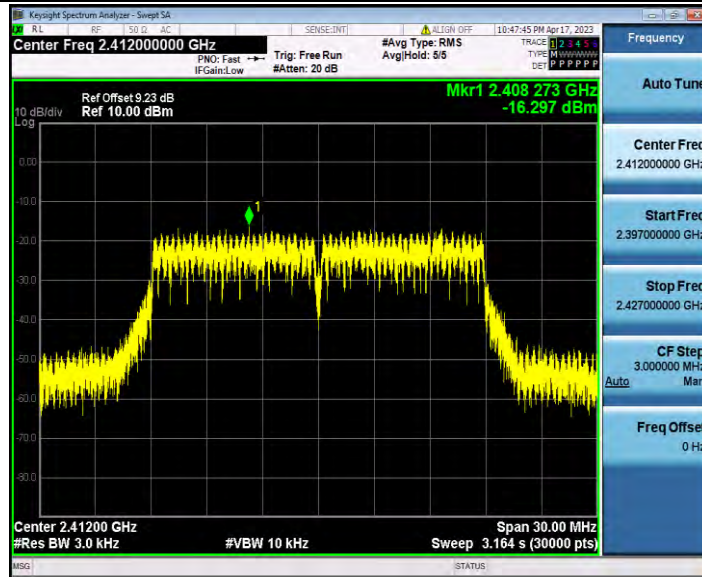
11G\_Ant1\_2412



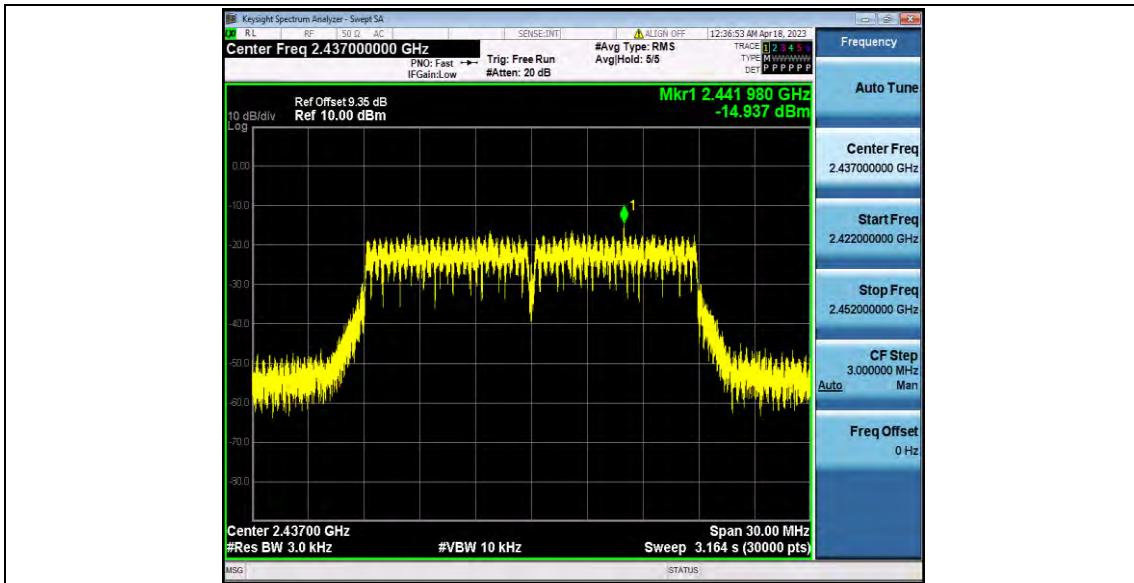
11G\_Ant1\_2437



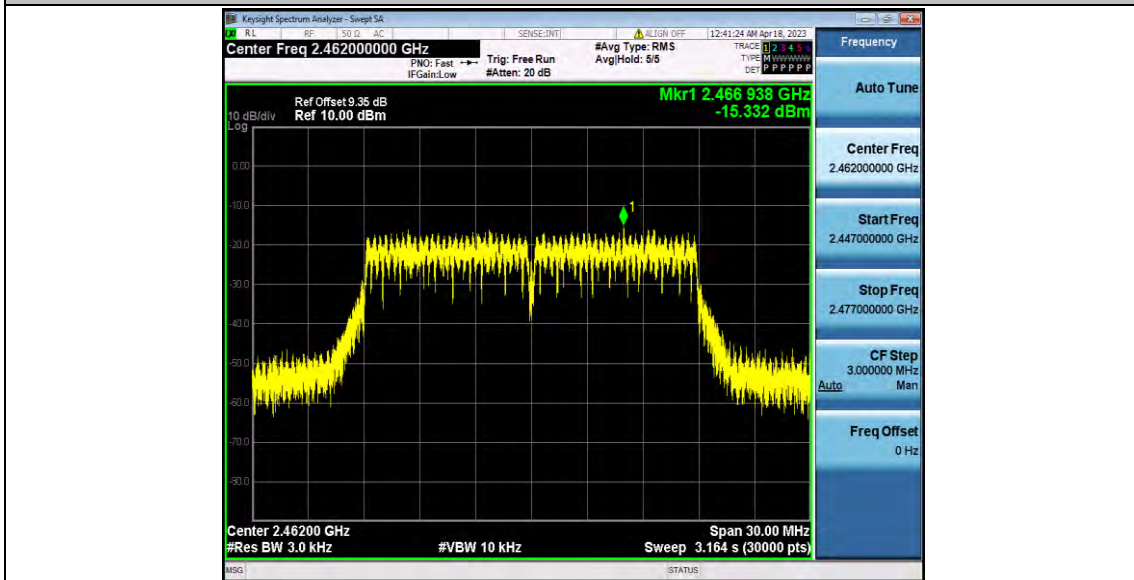
11G\_Ant1\_2462



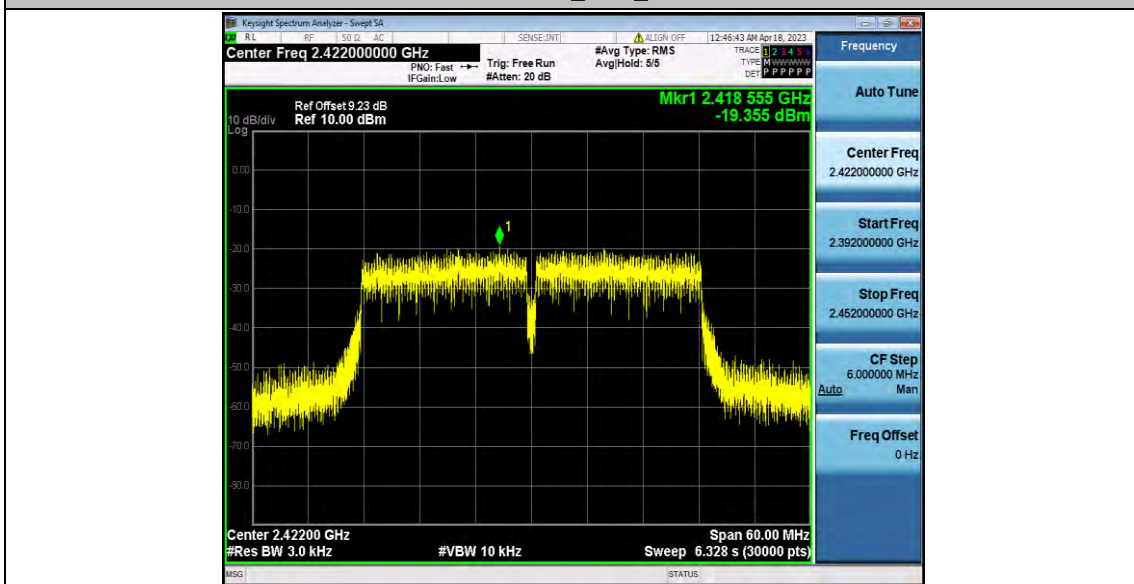
11N20SISO\_Ant1\_2412



11N20SISO\_Ant1\_2437

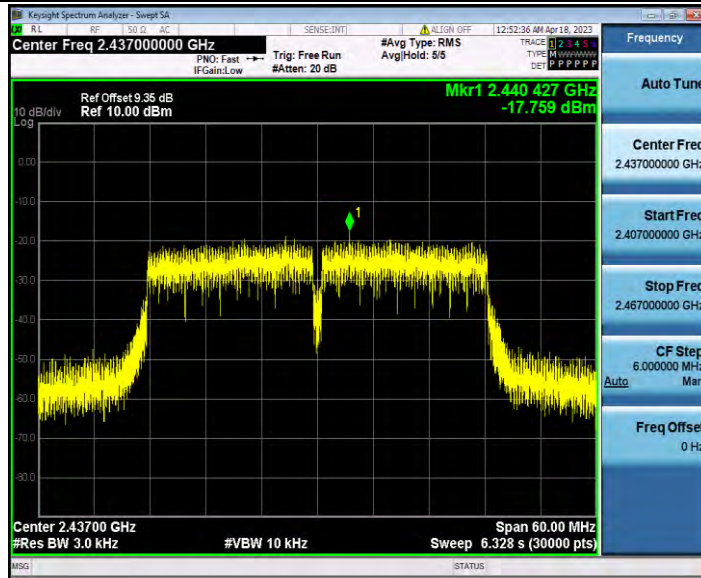


11N20SISO\_Ant1\_2462

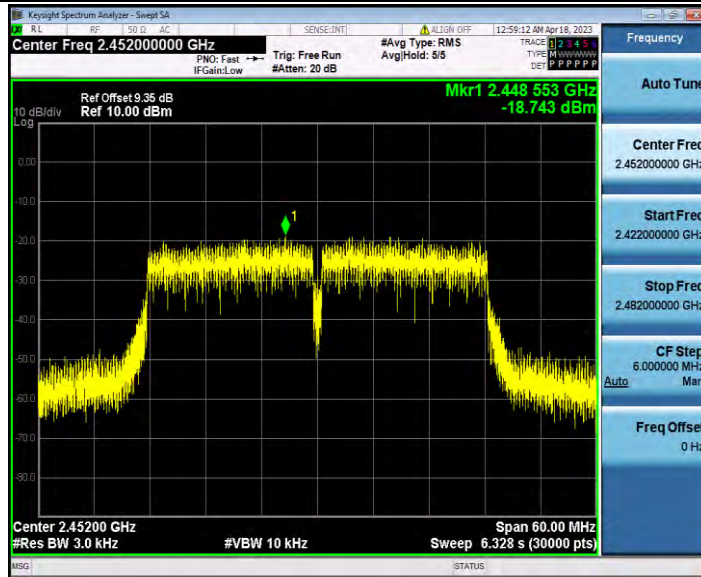




11N40SISO\_Ant1\_2422



11N40SISO\_Ant1\_2437



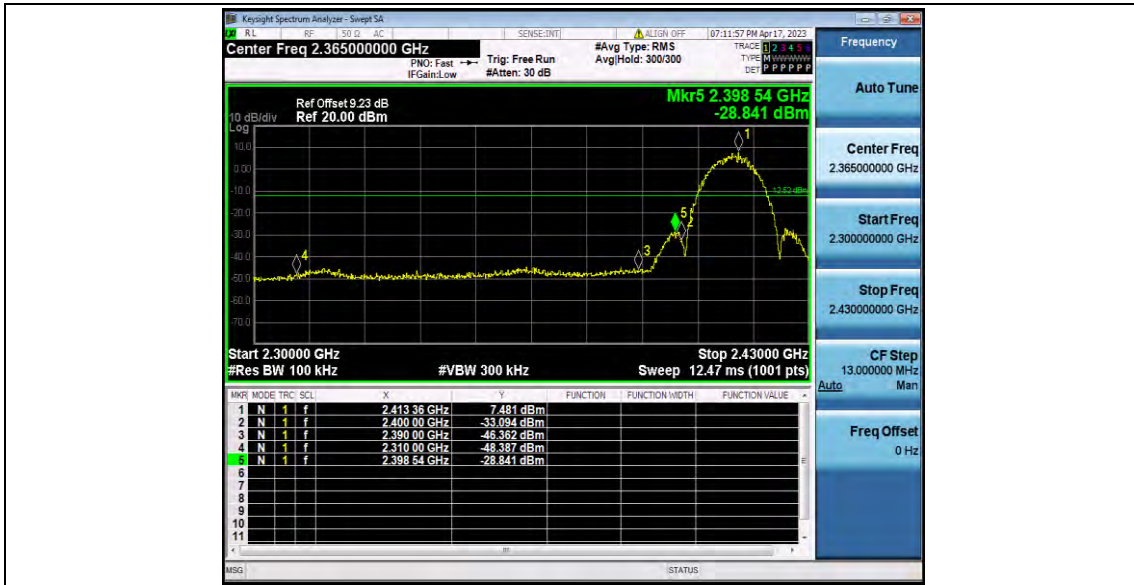
11N40SISO\_Ant1\_2452

## Appendix A.5: Band edge measurements

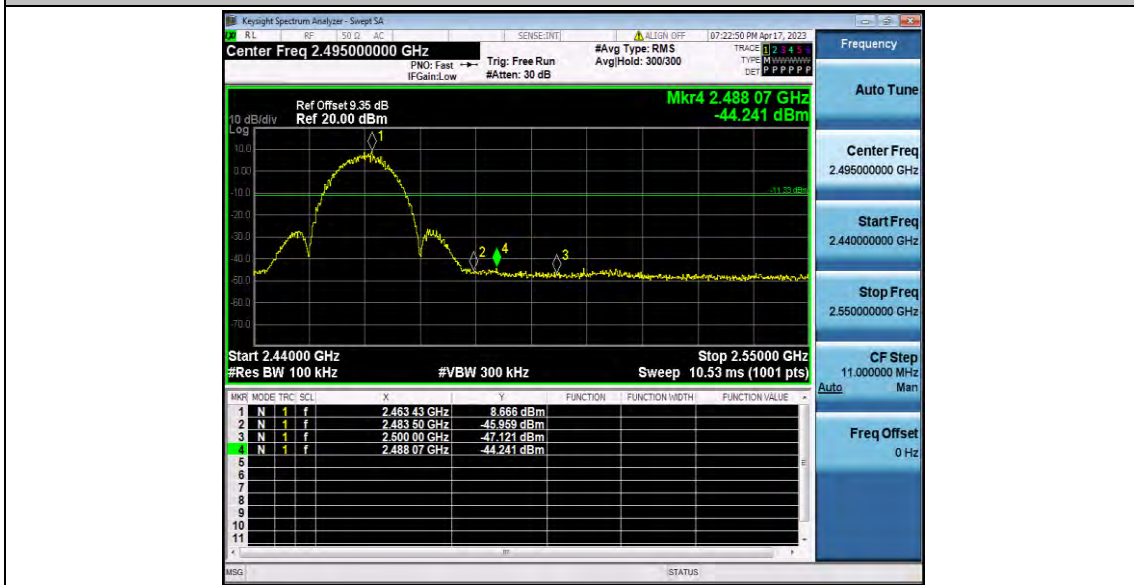
### Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	7.48	-28.84	≤-12.52	PASS
		High	2462	8.67	-44.24	≤-11.33	PASS
11G	Ant1	Low	2412	3.89	-22.5	≤-16.11	PASS
		High	2462	5.34	-30.94	≤-14.66	PASS
11N20SISO	Ant1	Low	2412	0.02	-29.45	≤-19.98	PASS
		High	2462	-4.56	-43.08	≤-24.56	PASS
11N40SISO	Ant1	Low	2422	-3.74	-33.2	≤-23.74	PASS
		High	2452	-3.09	-35.79	≤-23.09	PASS

## Test Graphs



11B\_Ant1\_Low\_2412



11B\_Ant1\_High\_2462



11G\_Ant1\_Low\_2412



11G\_Ant1\_High\_2462



11N20SISO\_Ant1\_Low\_2412

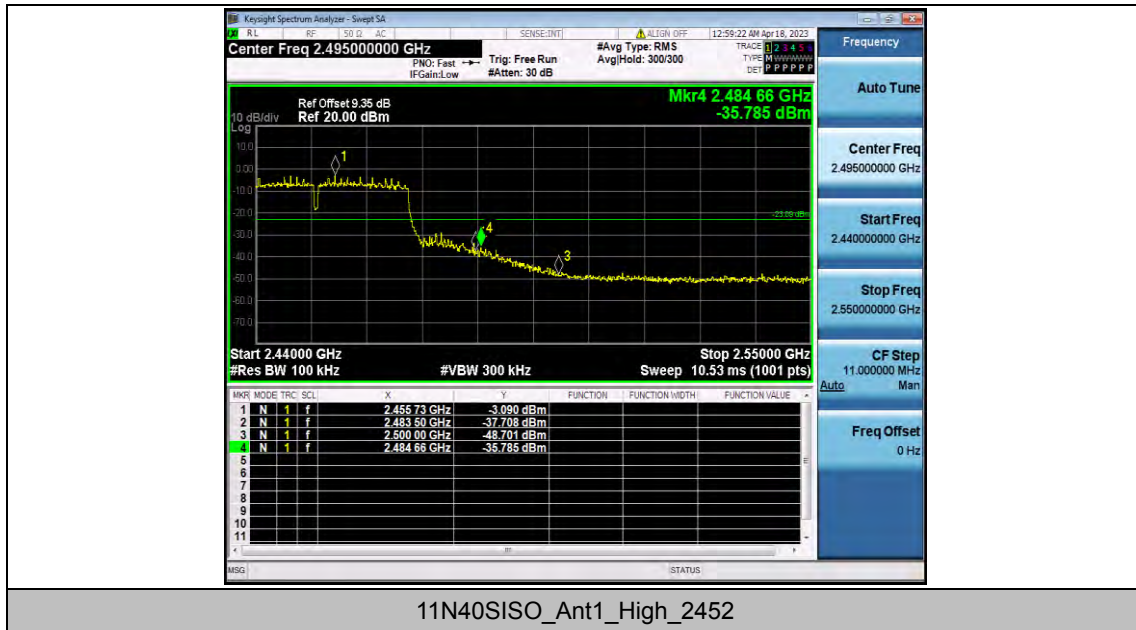


11N20SISO\_Ant1\_High\_2462



11N40SISO\_Ant1\_Low\_2422





11N40SISO\_Ant1\_High\_2452

## Appendix A.6: Conducted Spurious Emission

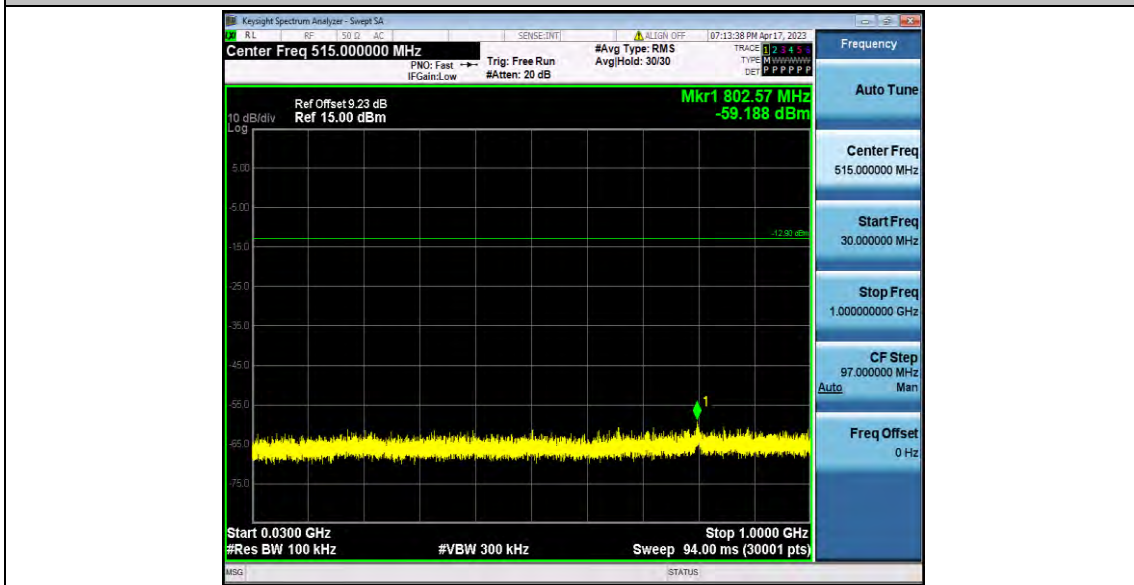
### Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	7.10	7.10	---	PASS
			30~1000	7.10	-59.19	≤-12.9	PASS
			1000~26500	7.10	-42.85	≤-12.9	PASS
		2437	Reference	8.14	8.14	---	PASS
			30~1000	8.14	-57.72	≤-11.86	PASS
			1000~26500	8.14	-44.92	≤-11.86	PASS
		2462	Reference	6.95	6.95	---	PASS
			30~1000	6.95	-59.61	≤-13.05	PASS
			1000~26500	6.95	-47.57	≤-13.05	PASS
11G	Ant1	2412	Reference	1.11	1.11	---	PASS
			30~1000	1.11	-59.86	≤-18.89	PASS
			1000~26500	1.11	-47.67	≤-18.89	PASS
		2437	Reference	4.50	4.50	---	PASS
			30~1000	4.50	-56.98	≤-15.5	PASS
			1000~26500	4.50	-47.52	≤-15.5	PASS
		2462	Reference	4.06	4.06	---	PASS
			30~1000	4.06	-60.35	≤-15.94	PASS
			1000~26500	4.06	-47.48	≤-15.94	PASS
11N20SISO	Ant1	2412	Reference	-0.53	-0.53	---	PASS
			30~1000	-0.53	-60.47	≤-20.53	PASS
			1000~26500	-0.53	-47.85	≤-20.53	PASS
		2437	Reference	-2.90	-2.90	---	PASS
			30~1000	-2.90	-60.23	≤-22.9	PASS
			1000~26500	-2.90	-47.12	≤-22.9	PASS
		2462	Reference	-8.14	-8.14	---	PASS
			30~1000	-8.14	-60.38	≤-28.14	PASS
			1000~26500	-8.14	-47.38	≤-28.14	PASS
11N40SISO	Ant1	2422	Reference	-7.97	-7.97	---	PASS
			30~1000	-7.97	-53.83	≤-27.97	PASS
			1000~26500	-7.97	-47.09	≤-27.97	PASS
		2437	Reference	-4.97	-4.97	---	PASS
			30~1000	-4.97	-58.17	≤-24.97	PASS
			1000~26500	-4.97	-47.86	≤-24.97	PASS
		2452	Reference	-8.70	-8.70	---	PASS
			30~1000	-8.70	-60.6	≤-28.7	PASS
			1000~26500	-8.70	-47.75	≤-28.7	PASS

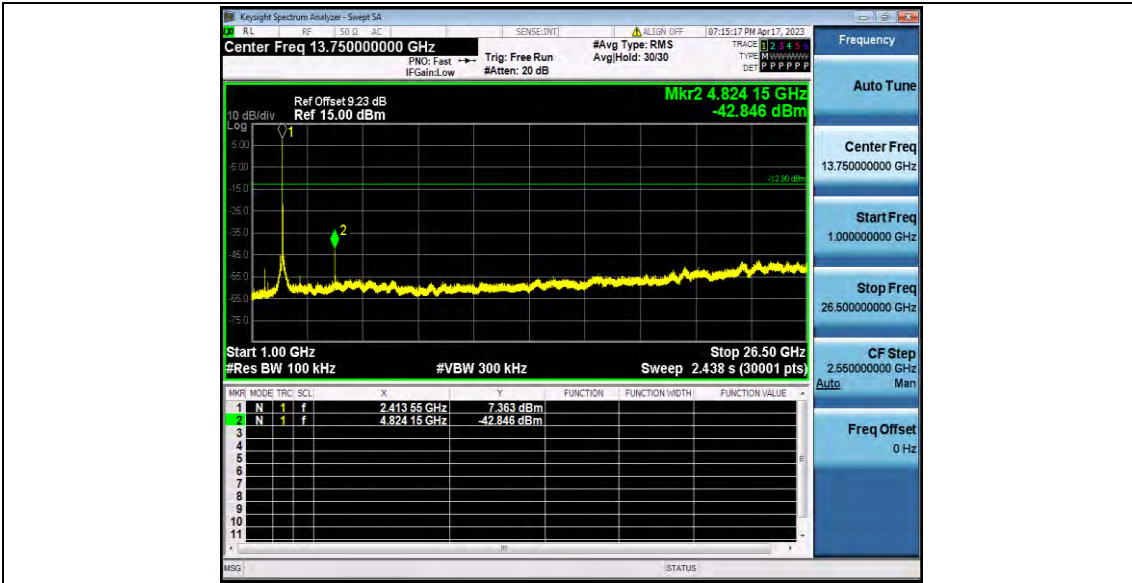
## Test Graphs



11B\_Ant1\_2412\_0~Reference



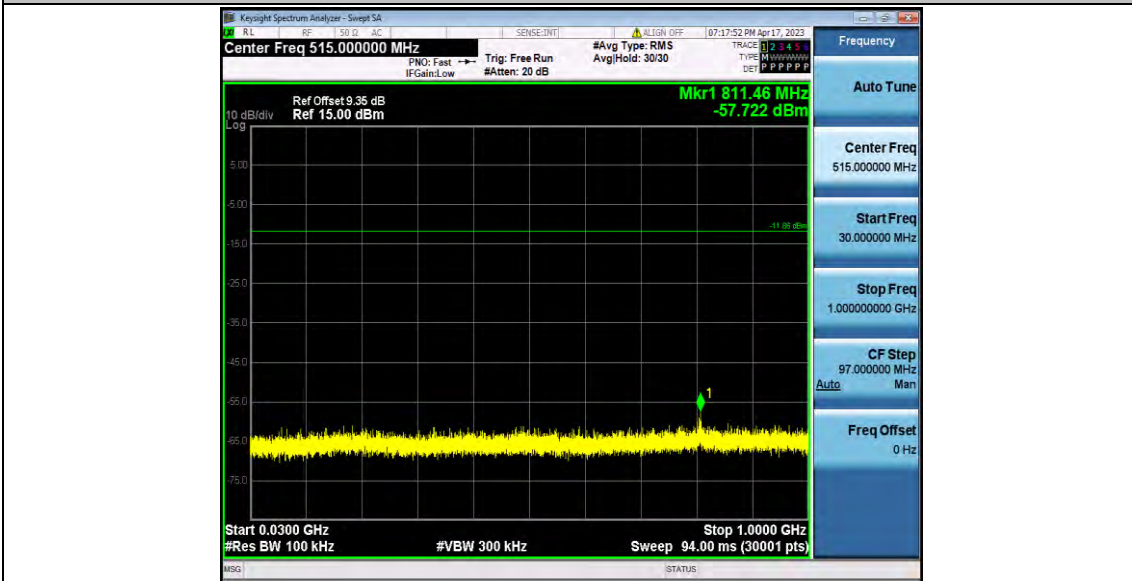
11B\_Ant1\_2412\_30~1000



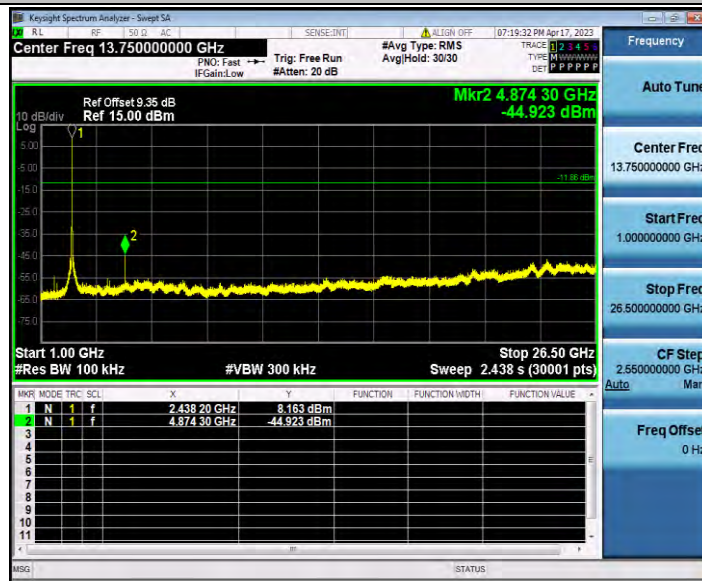
11B\_Ant1\_2412\_1000~26500



11B\_Ant1\_2437\_0~Reference



11B\_Ant1\_2437\_30~1000

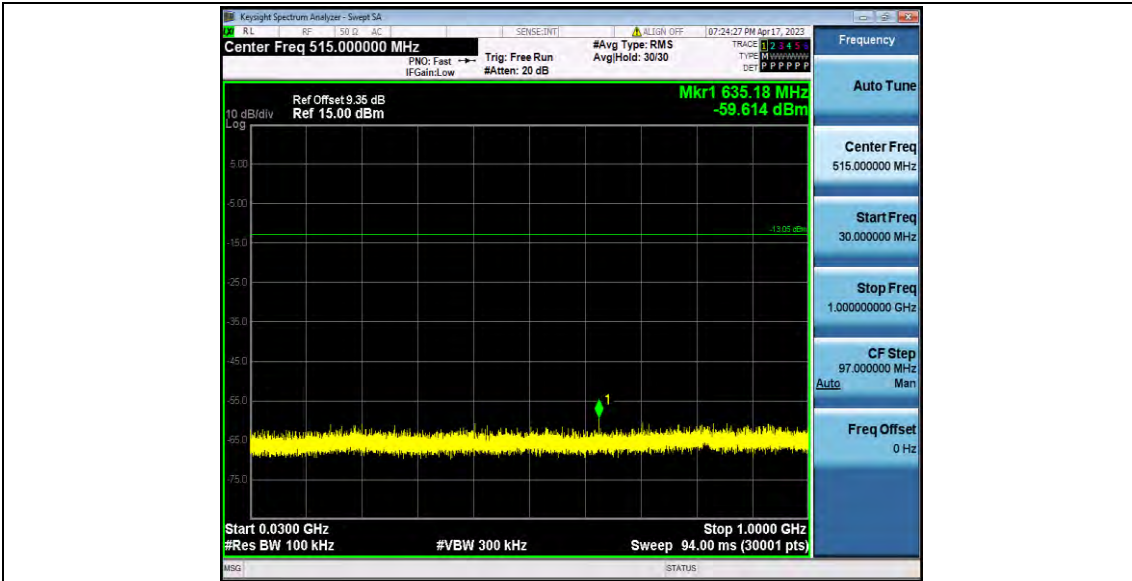


11B\_Ant1\_2437\_1000~26500

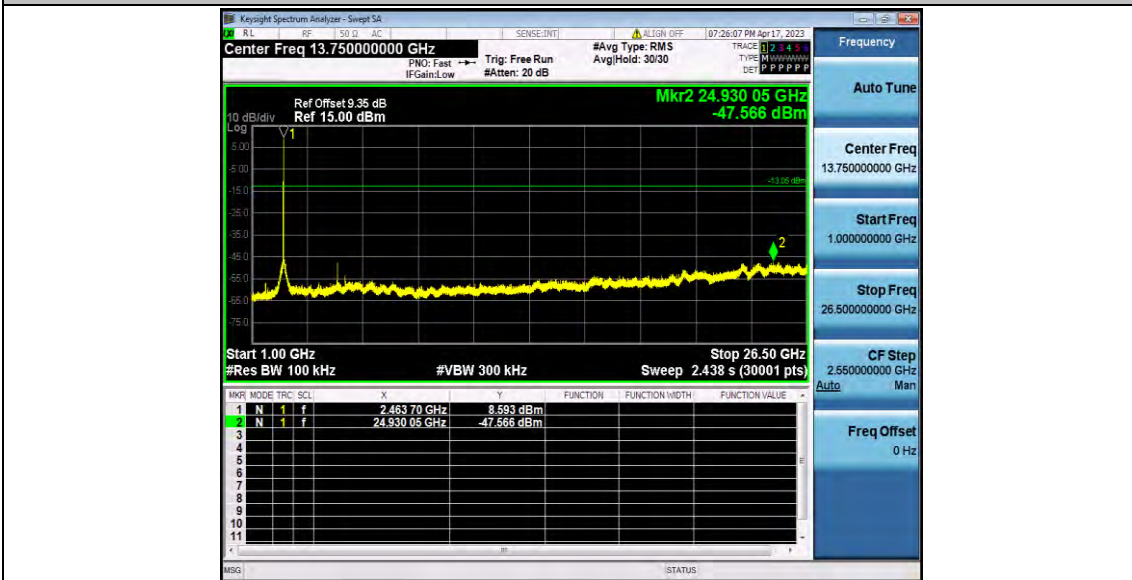


11B\_Ant1\_2462\_0~Reference

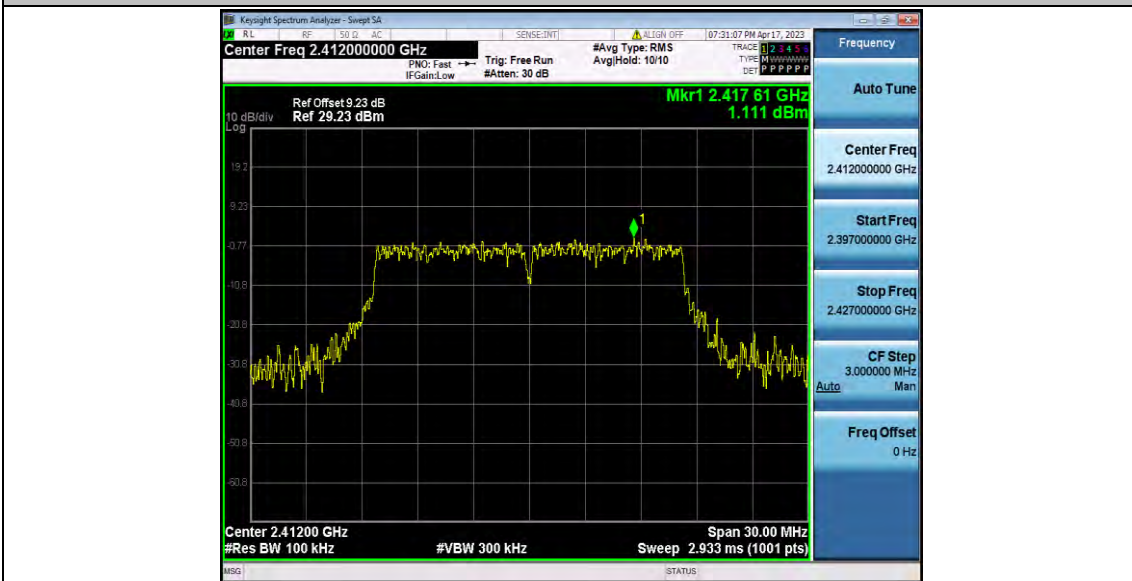




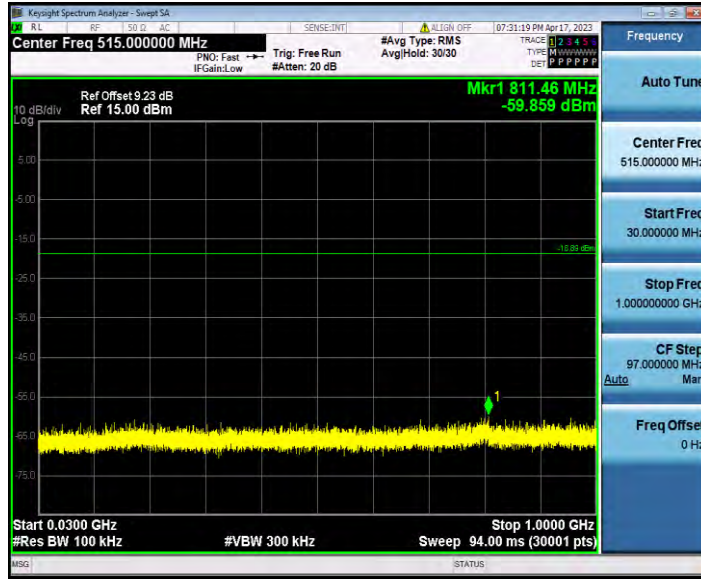
11B\_Ant1\_2462\_30~1000



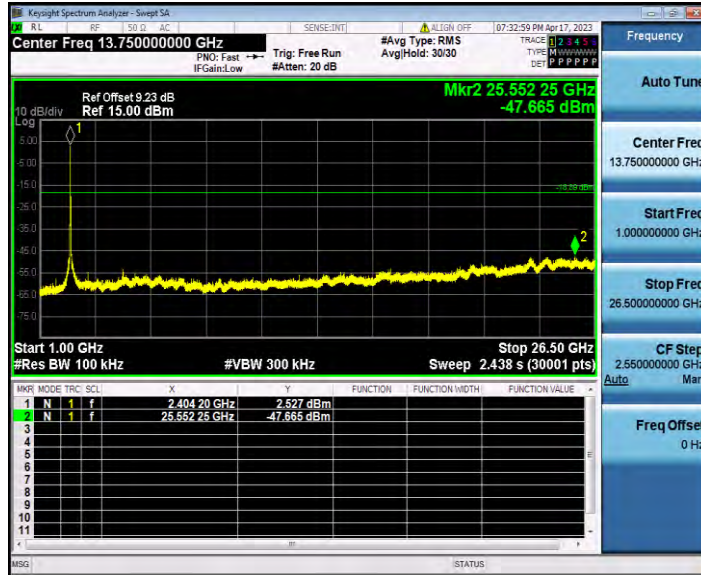
11B\_Ant1\_2462\_1000~26500



11G\_Ant1\_2412\_0~Reference



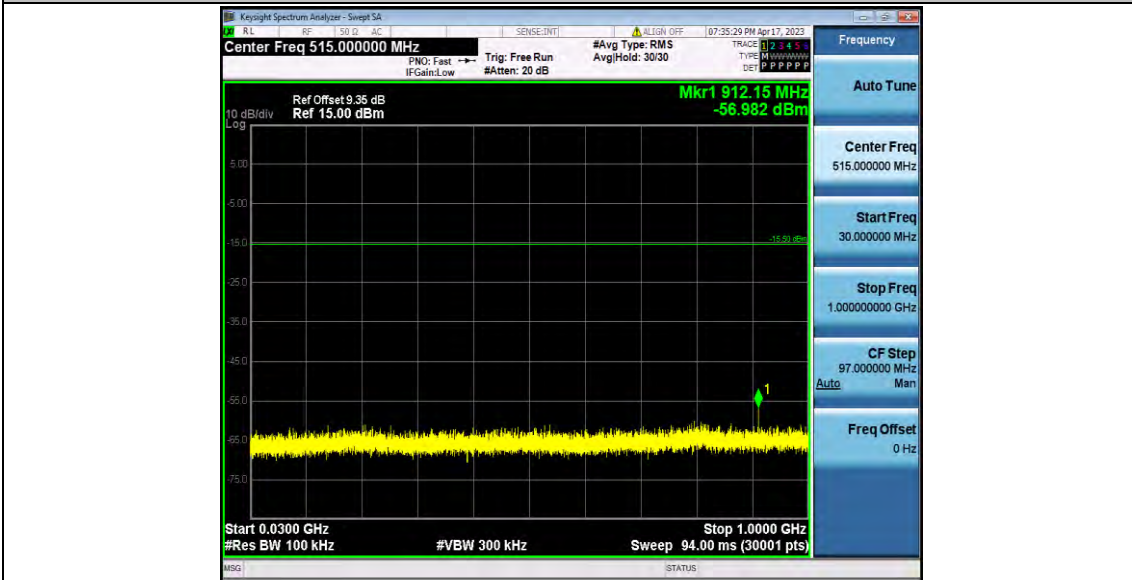
11G\_Ant1\_2412\_30~1000



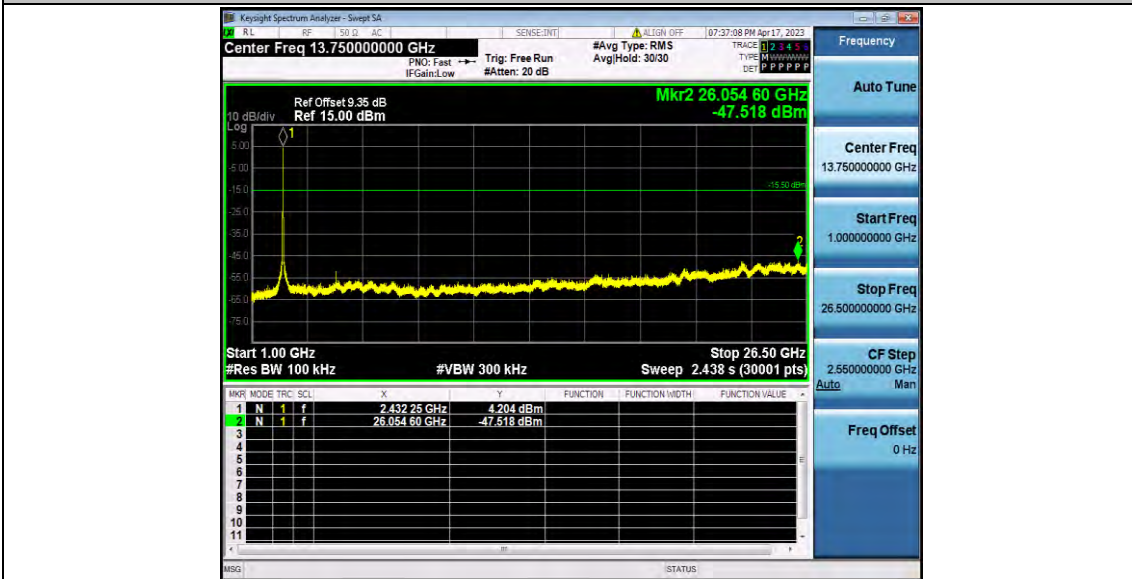
11G\_Ant1\_2412\_1000~26500



11G\_Ant1\_2437\_0~Reference



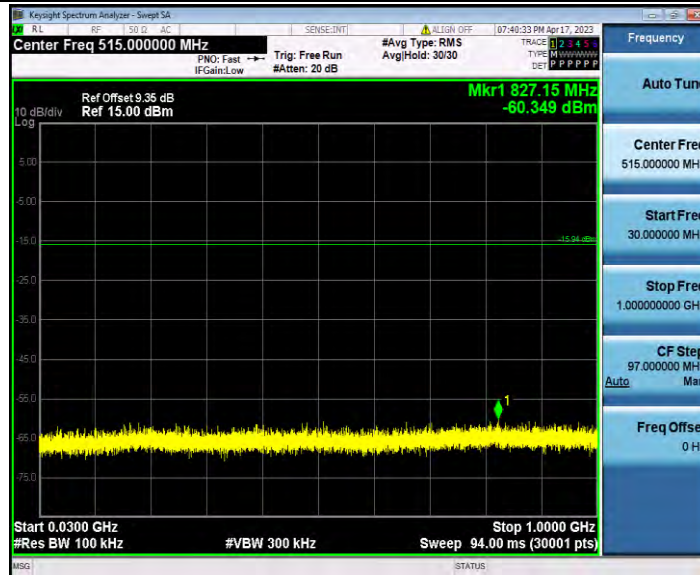
11G\_Ant1\_2437\_30~1000



11G\_Ant1\_2437\_1000~26500

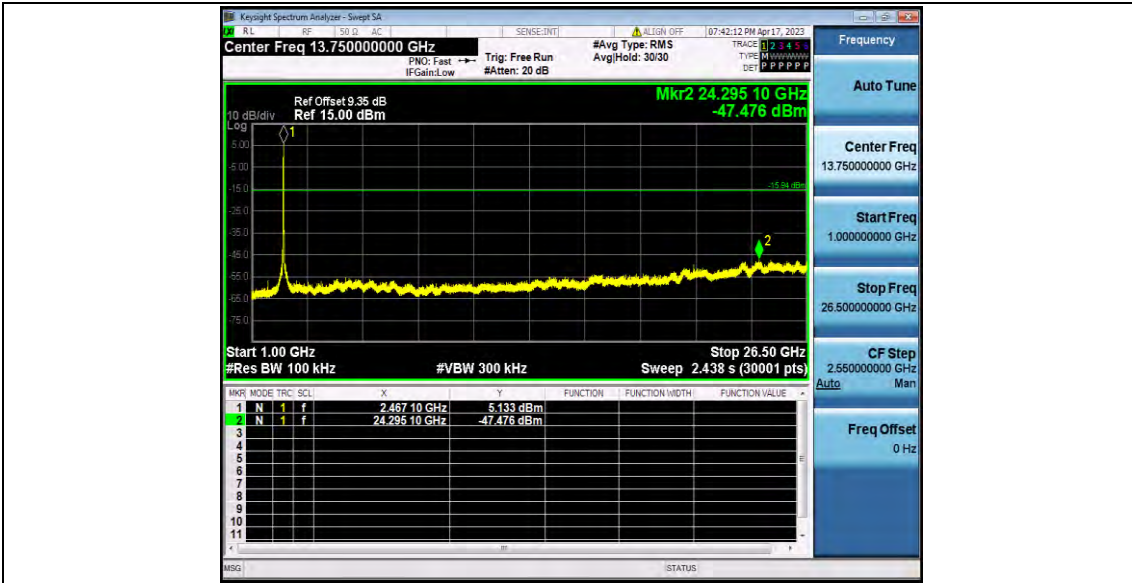


11G\_Ant1\_2462\_0~Reference

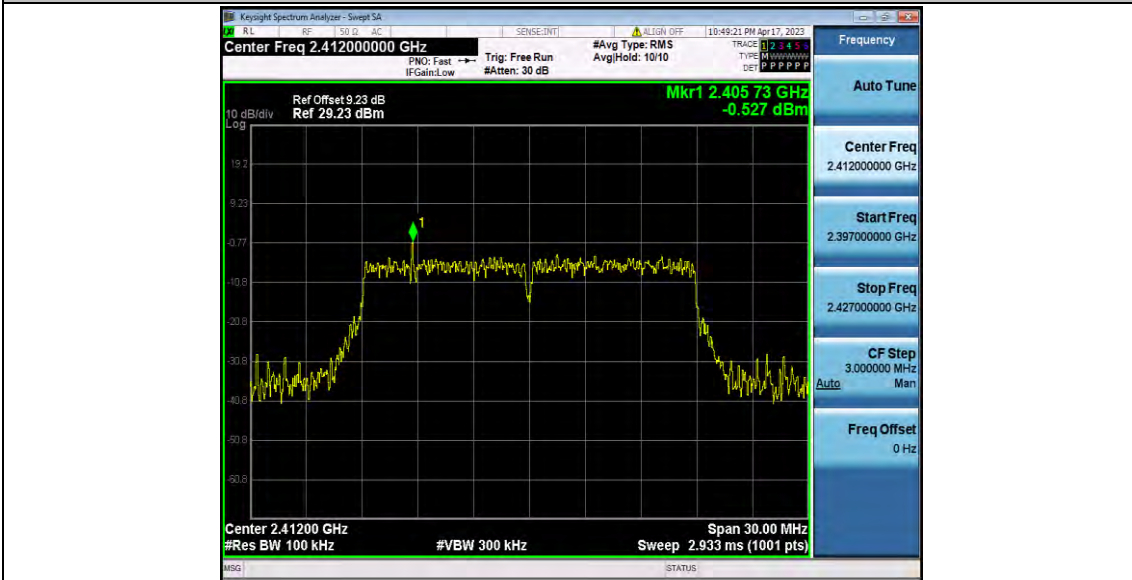


11G\_Ant1\_2462\_30~1000

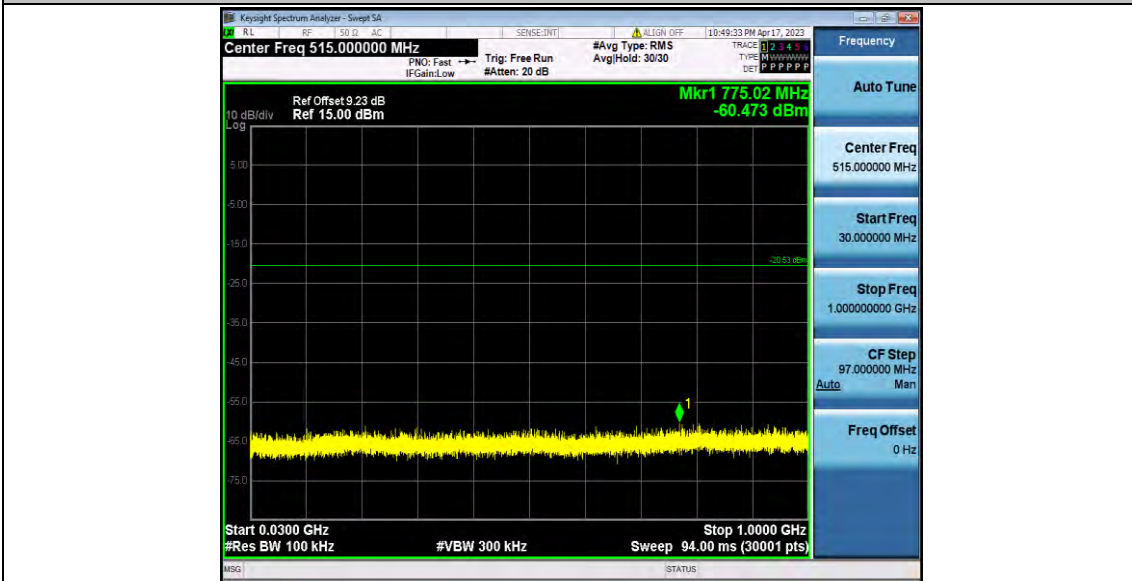




11G\_Ant1\_2462\_1000~26500

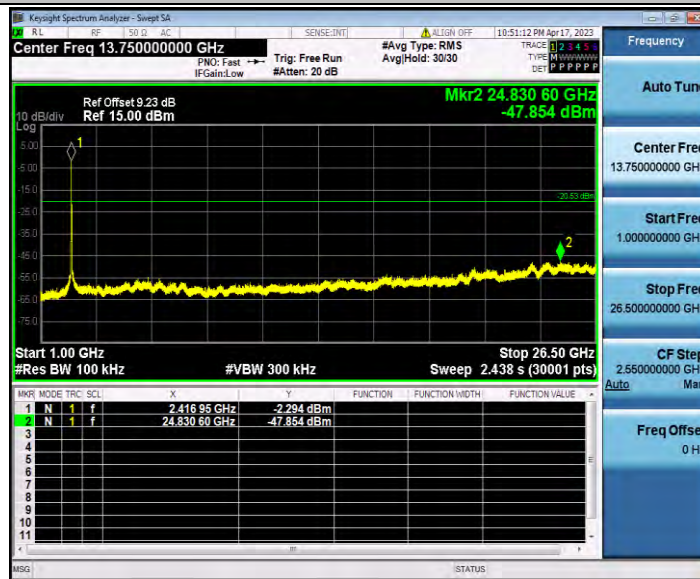


11N20SISO\_Ant1\_2412\_0~Reference

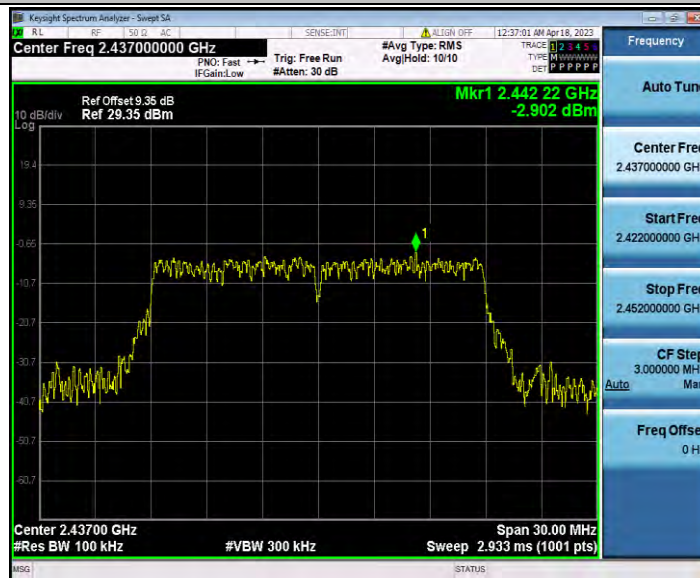




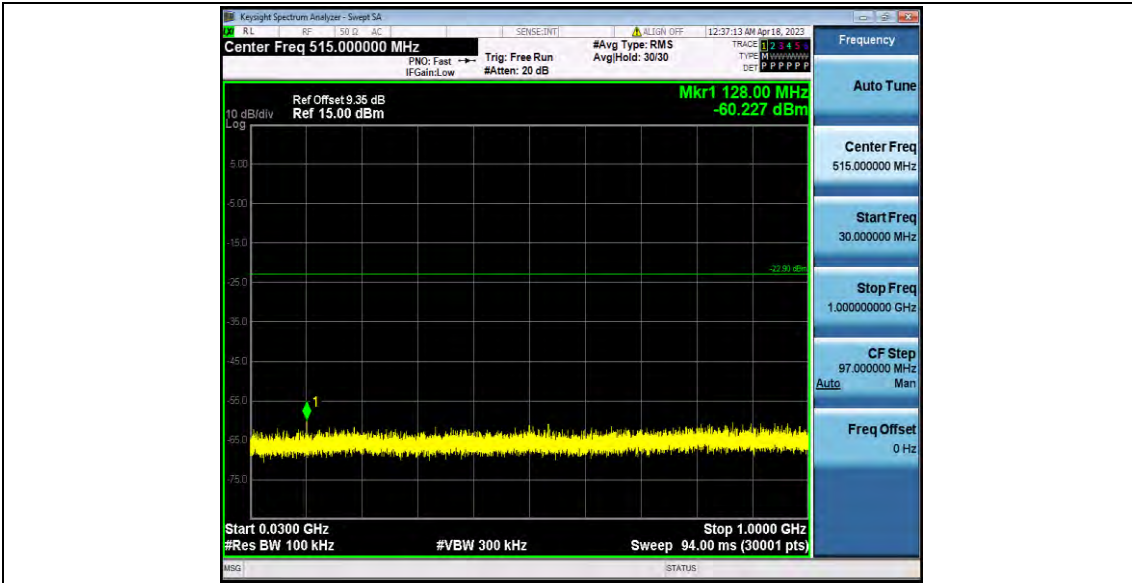
11N20SISO\_Ant1\_2412\_30~1000



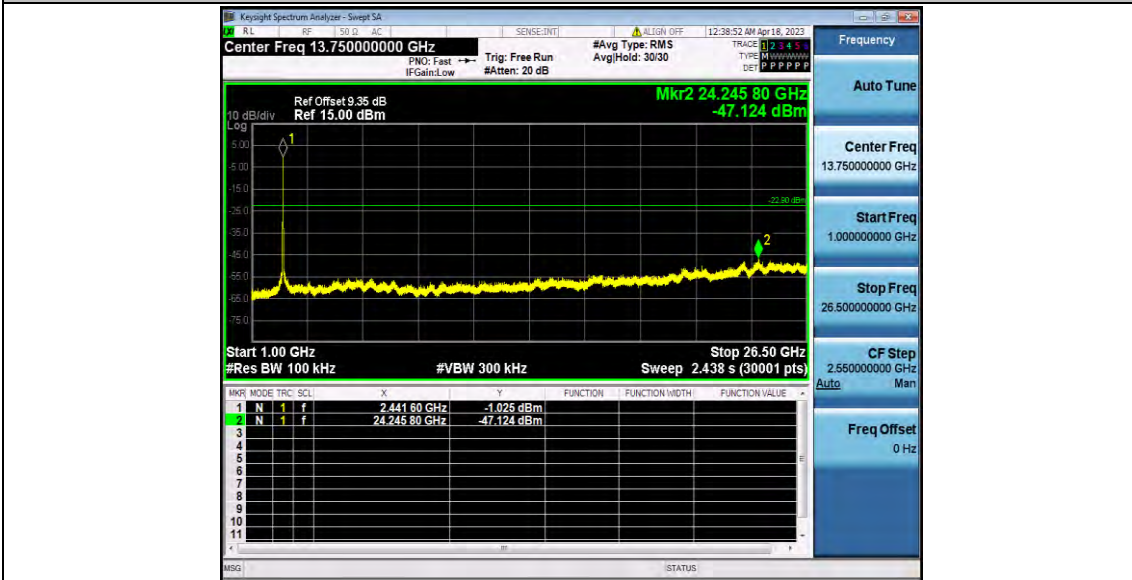
11N20SISO\_Ant1\_2412\_1000~26500



11N20SISO\_Ant1\_2437\_0~Reference



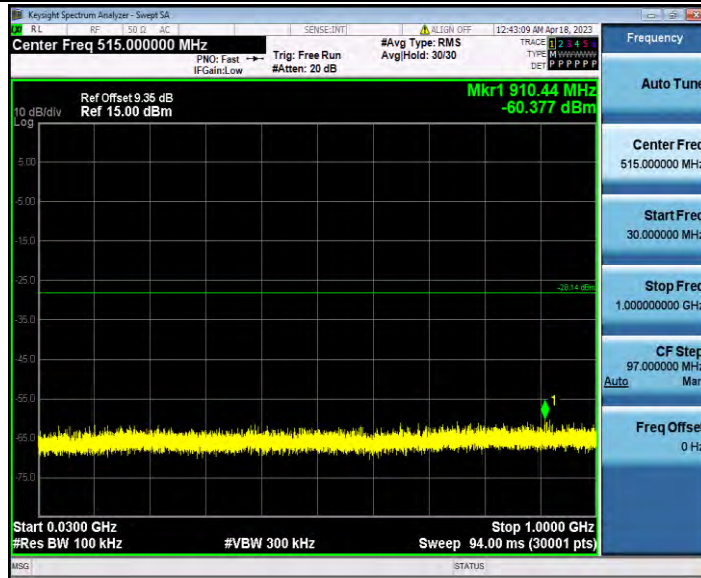
11N20SISO\_Ant1\_2437\_30~1000



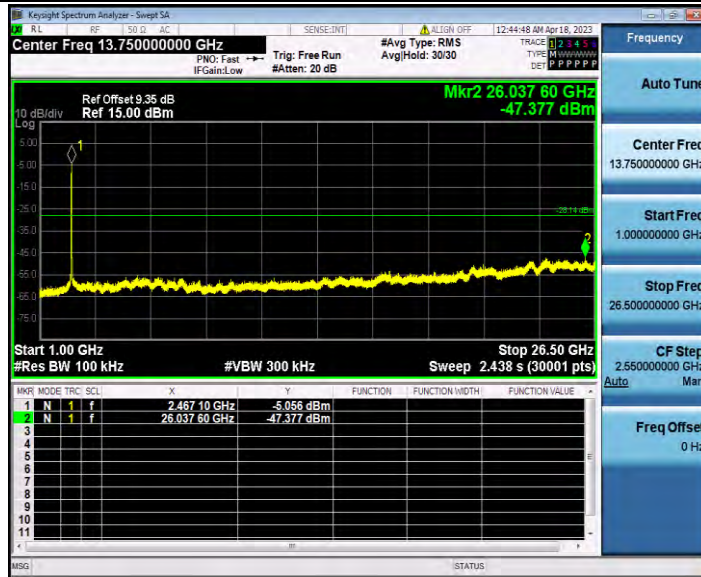
11N20SISO\_Ant1\_2437\_1000~26500



11N20SISO\_Ant1\_2462\_0~Reference



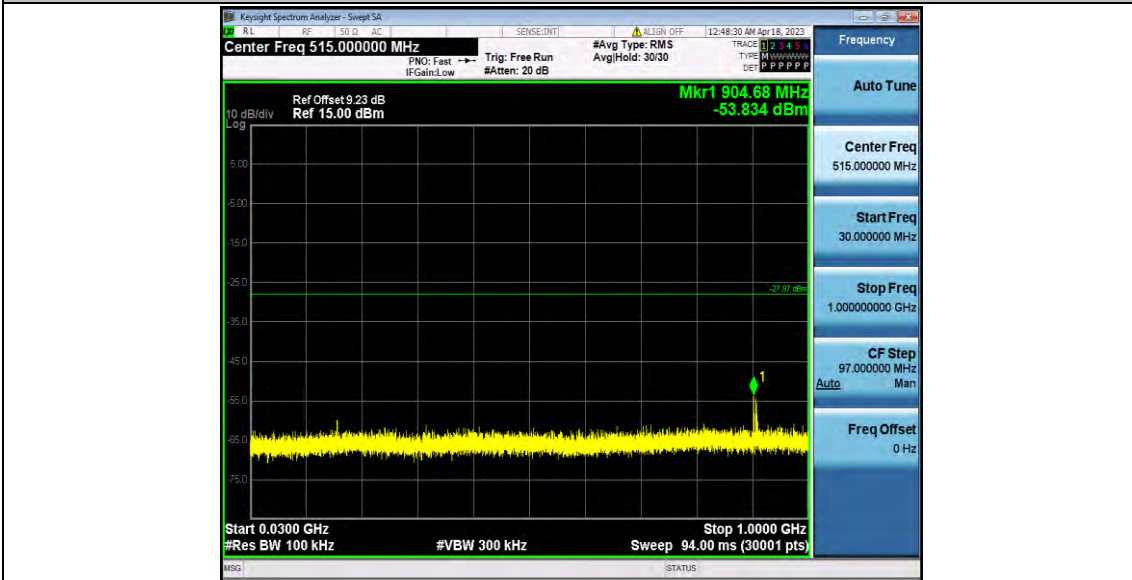
11N20SISO\_Ant1\_2462\_30~1000



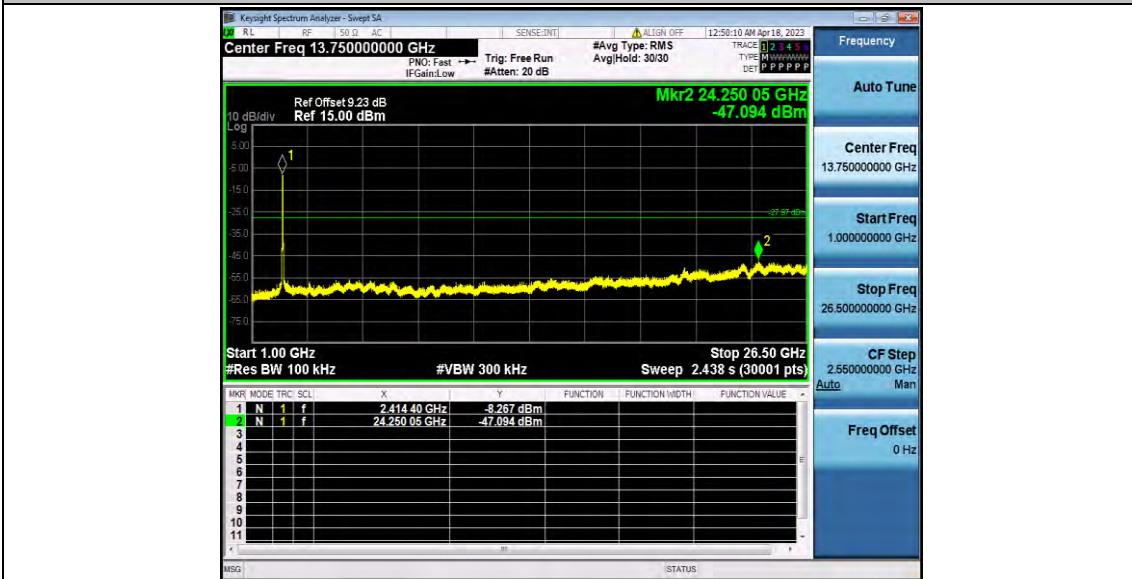
11N20SISO\_Ant1\_2462\_1000~26500



11N40SISO\_Ant1\_2422\_0~Reference

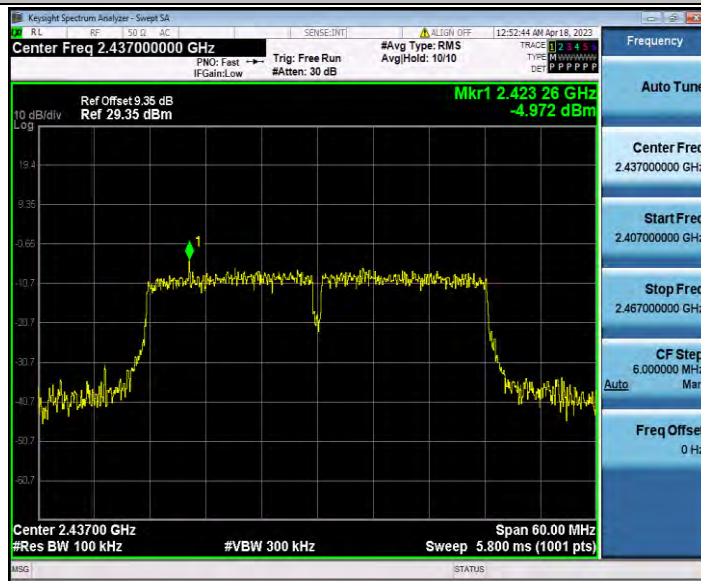


11N40SISO\_Ant1\_2422\_30~1000

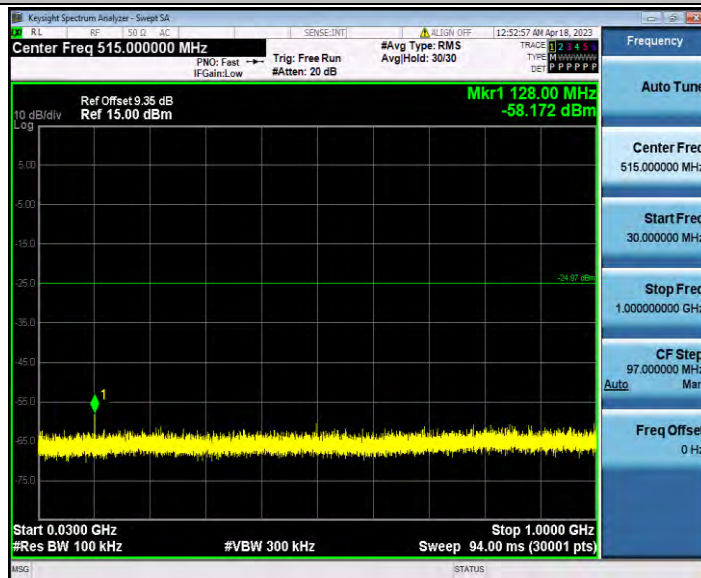




11N40SISO\_Ant1\_2422\_1000~26500

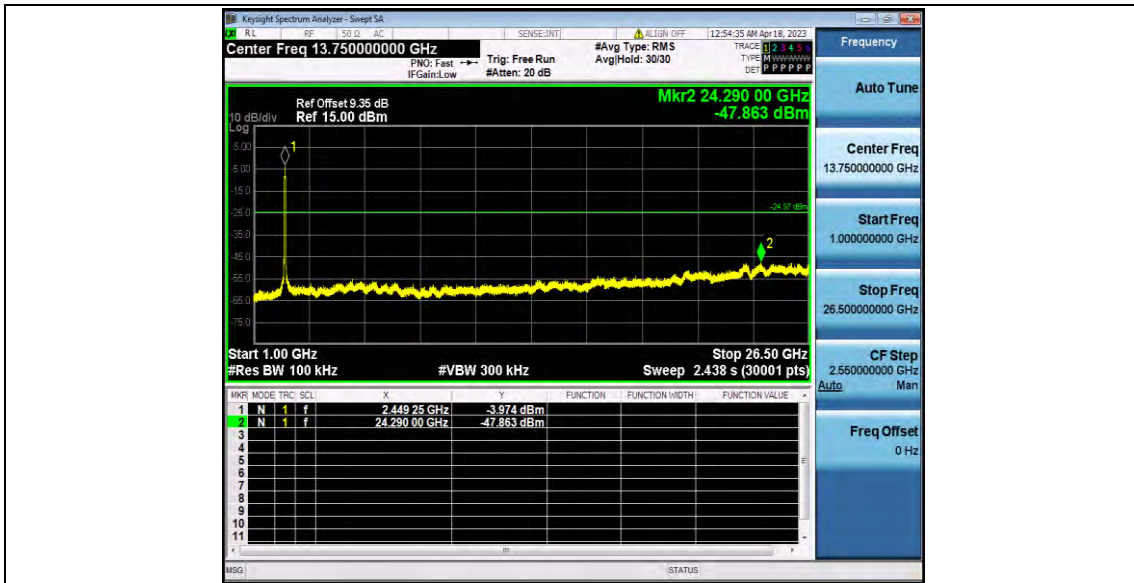


11N40SISO\_Ant1\_2437\_0~Reference

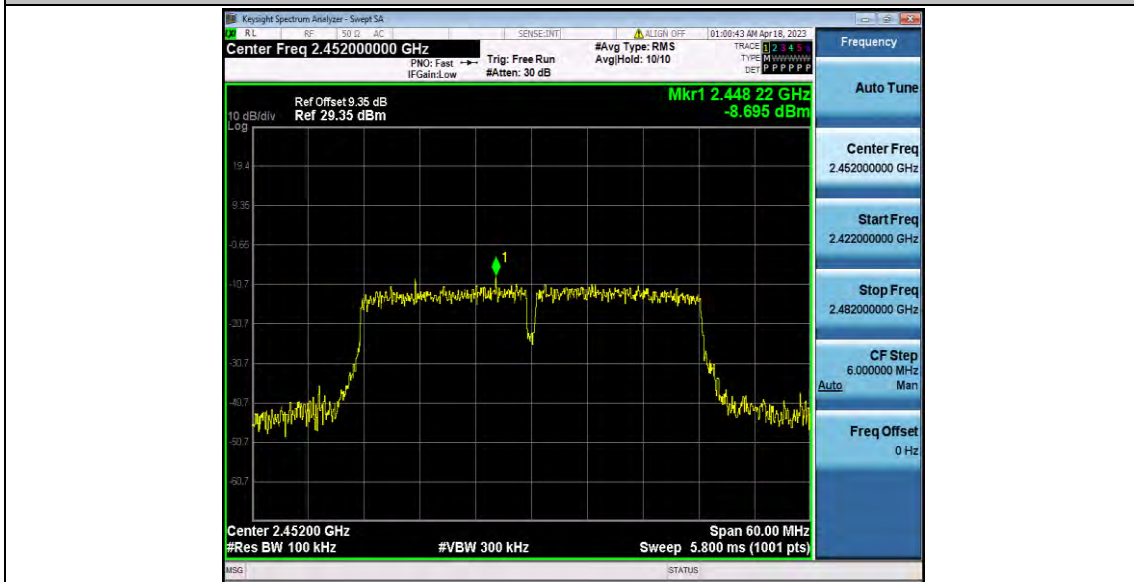


11N40SISO\_Ant1\_2437\_30~1000





11N40SISO\_Ant1\_2437\_1000~26500



11N40SISO\_Ant1\_2452\_0~Reference

