

<b>Case No. :</b> <u>GTS20230704026-1-40</u>
<b>Ambient Condition:</b> <u>23</u> °C, <u>49</u> %RH, Atmos100.1Kpa,
<b>Test Date:</b> <u>2023.8.23</u> <b>Test Engineer:</b> <u>Evan Ouyang</u>

## Appendix C.1: DTS Bandwidth

### Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant0	2412	8.040	2407.960	2416.000	0.5	PASS
		2437	8.040	2432.960	2441.000	0.5	PASS
		2462	8.040	2457.960	2466.000	0.5	PASS
11G	Ant0	2412	16.280	2403.840	2420.120	0.5	PASS
		2437	15.000	2429.480	2444.480	0.5	PASS
		2462	16.360	2453.800	2470.160	0.5	PASS
11N20SISO	Ant0	2412	14.840	2404.440	2419.280	0.5	PASS
		2437	14.040	2430.680	2444.720	0.5	PASS
		2462	16.400	2454.080	2470.480	0.5	PASS
11AX20SISO	Ant0	2412	13.800	2405.680	2419.480	0.5	PASS
		2437	15.000	2429.440	2444.440	0.5	PASS
		2462	15.080	2454.480	2469.560	0.5	PASS

## Test Graphs



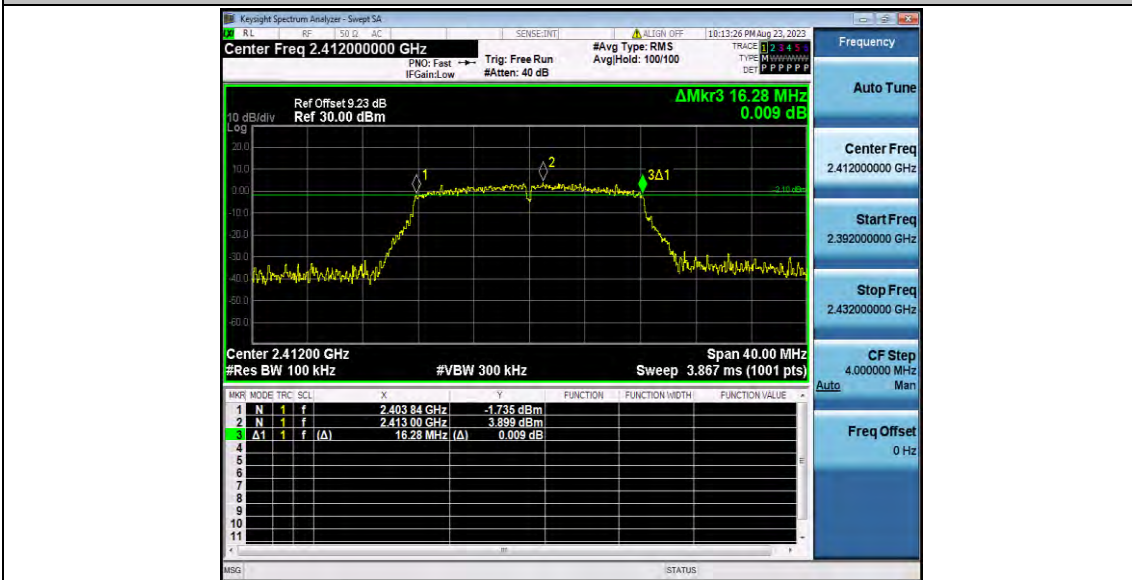
11B\_Ant0\_2412



11B\_Ant0\_2437



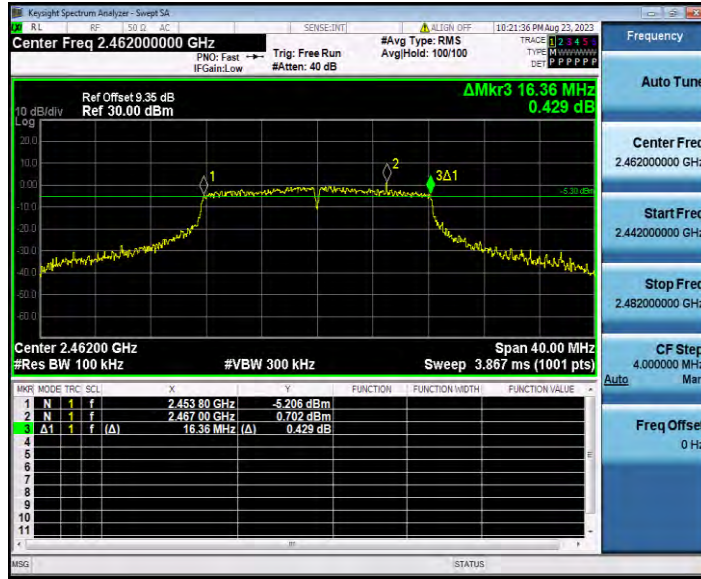
11B\_Ant0\_2462



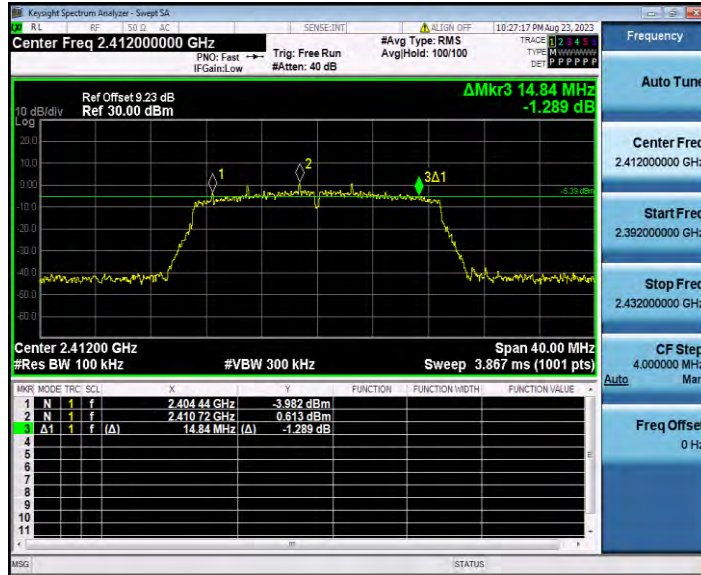
11G\_Ant0\_2412



11G\_Ant0\_2437



11G\_Ant0\_2462



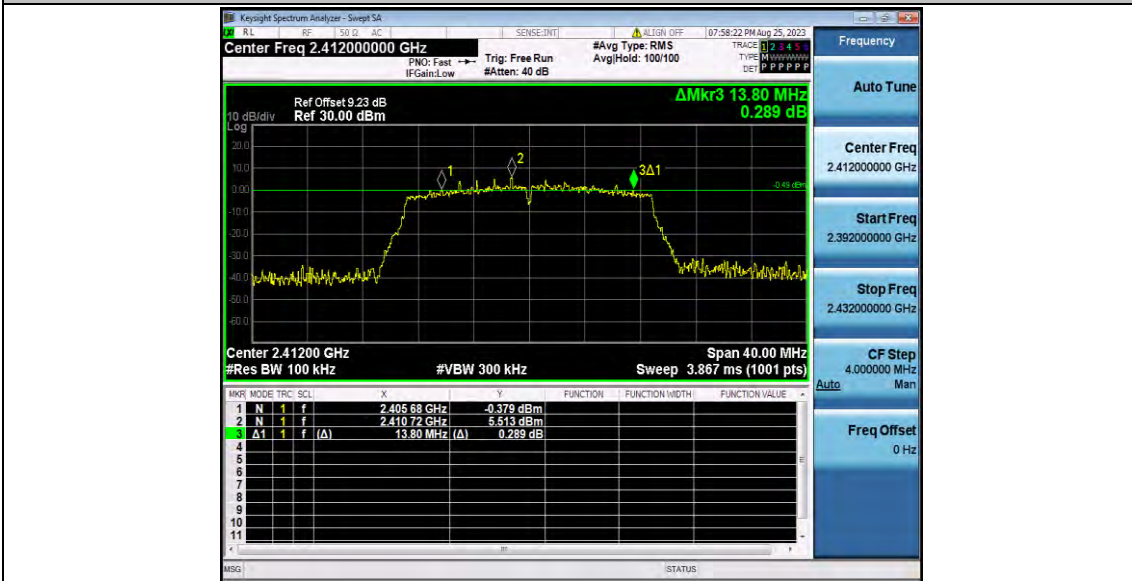
11N20SISO\_Ant0\_2412



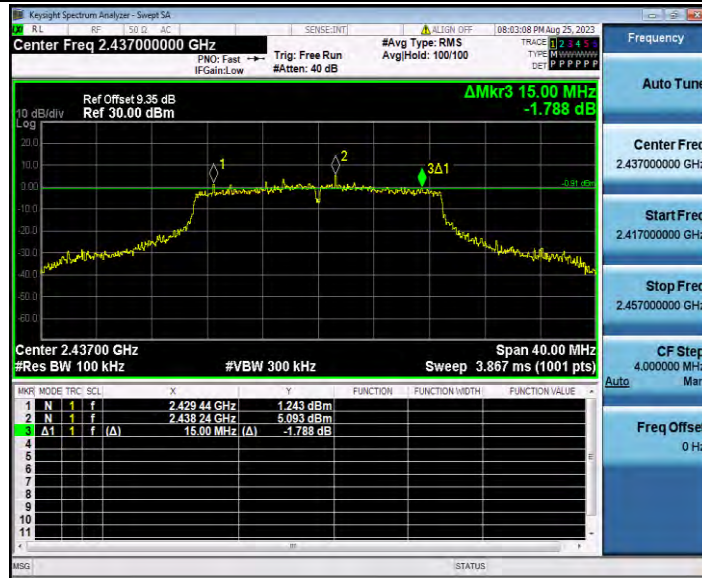
11N20SISO\_Ant0\_2437



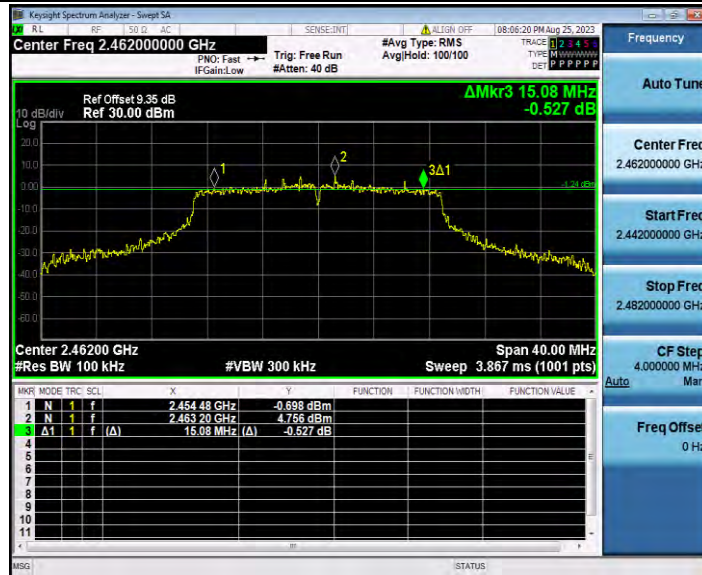
11N20SISO\_Ant0\_2462



11AX20SISO\_Ant0\_2412



11AX20SISO\_Ant0\_2437



11AX20SISO\_Ant0\_2462

## Appendix C.2: Occupied Channel Bandwidth

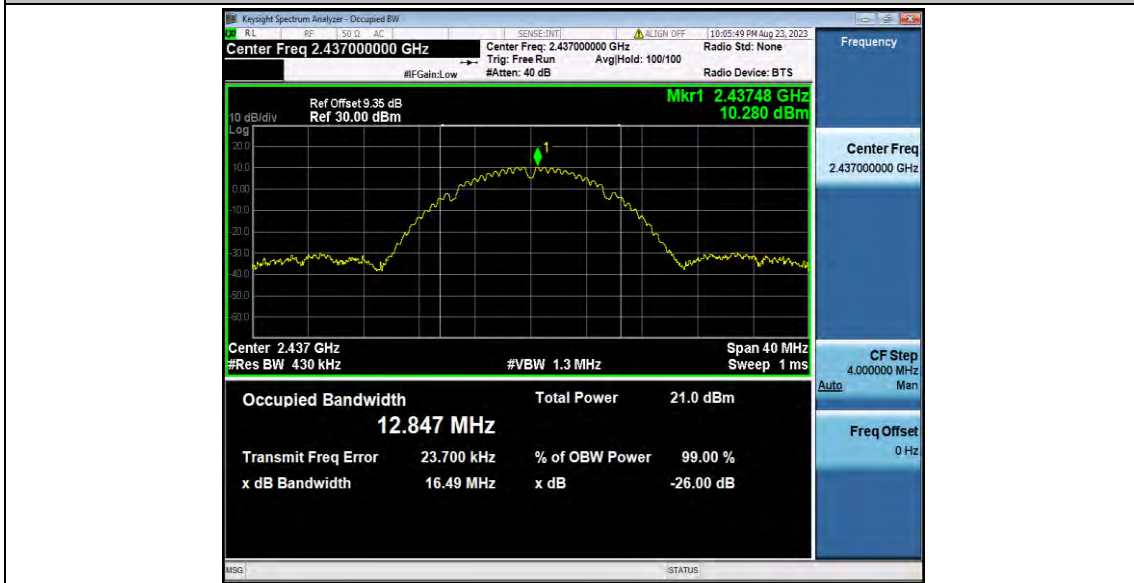
### Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant0	2412	12.876	2405.604	2418.480	---	---
		2437	12.847	2430.600	2443.447	---	---
		2462	12.838	2455.566	2468.404	---	---
11G	Ant0	2412	16.836	2403.595	2420.431	---	---
		2437	17.519	2428.240	2445.759	---	---
		2462	17.598	2453.141	2470.739	---	---
11N20SISO	Ant0	2412	17.775	2403.134	2420.909	---	---
		2437	18.518	2427.845	2446.363	---	---
		2462	18.634	2452.613	2471.247	---	---
11AX20SISO	Ant0	2412	17.711	2403.162	2420.873	---	---
		2437	18.521	2427.734	2446.255	---	---
		2462	18.576	2452.701	2471.277	---	---

## Test Graphs

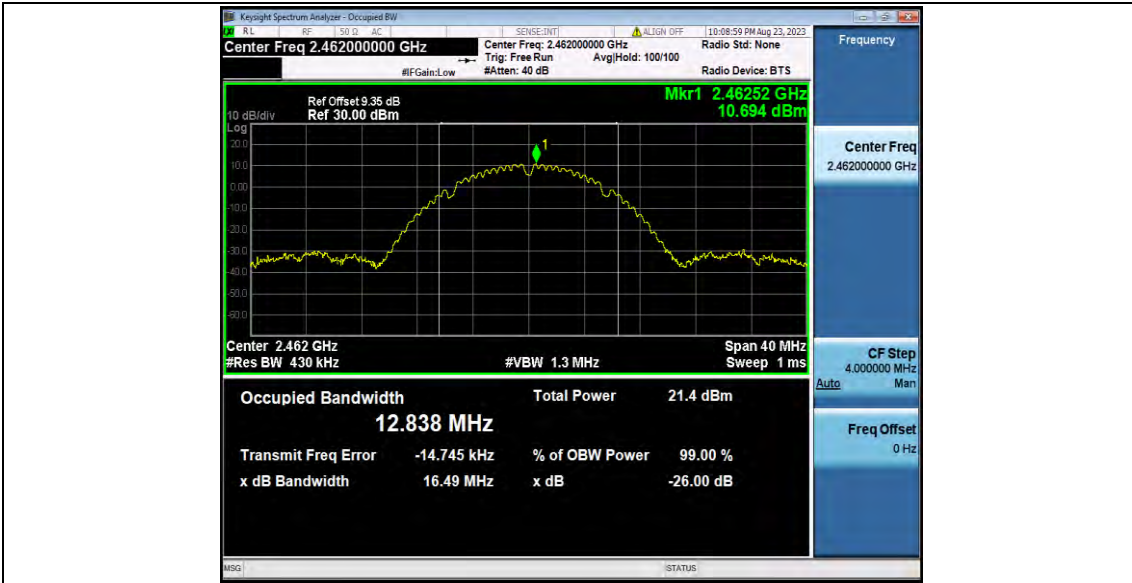


11B\_Ant0\_2412

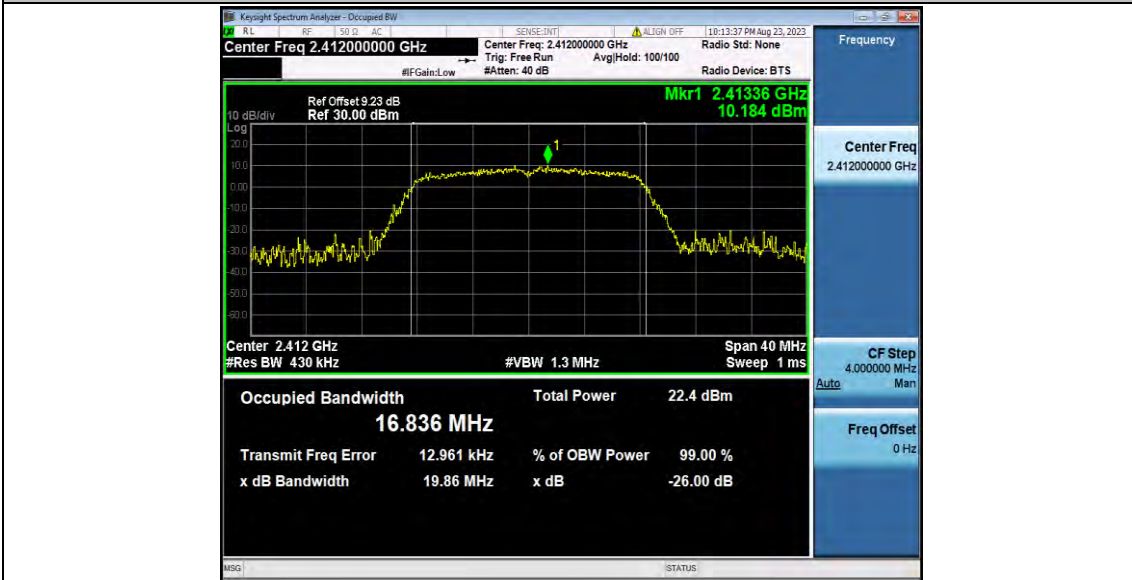


11B\_Ant0\_2437

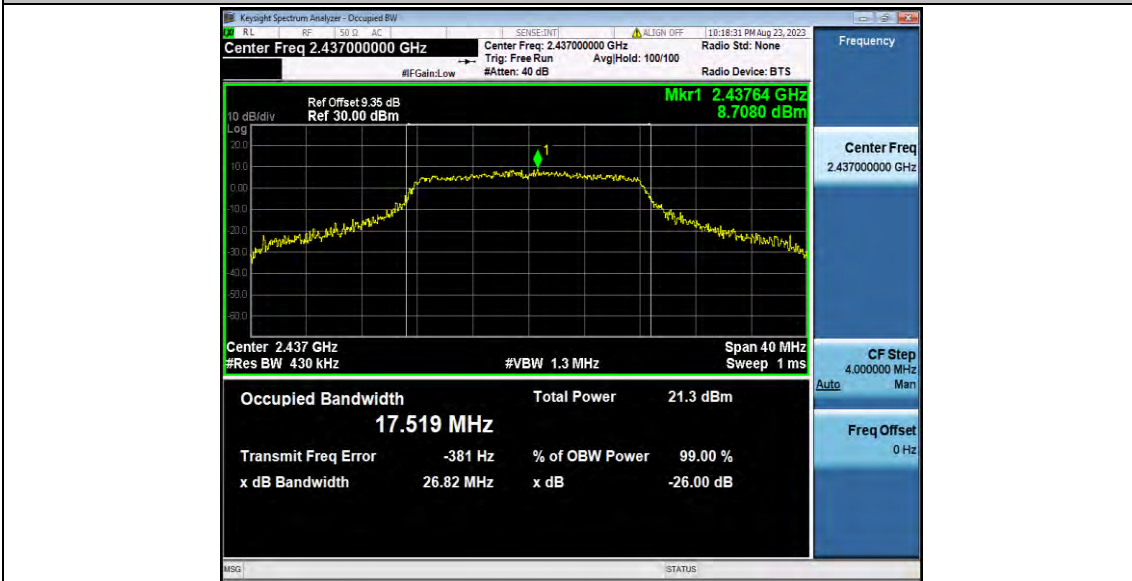




11B\_Ant0\_2462



11G\_Ant0\_2412



11G\_Ant0\_2437



11G\_Ant0\_2462



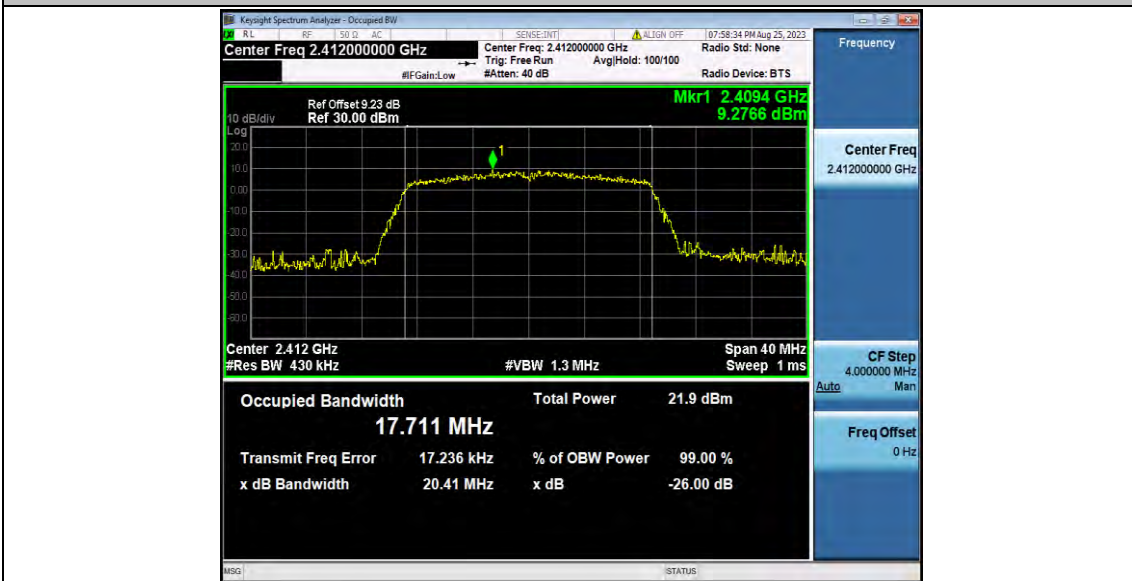
11N20SISO\_Ant0\_2412



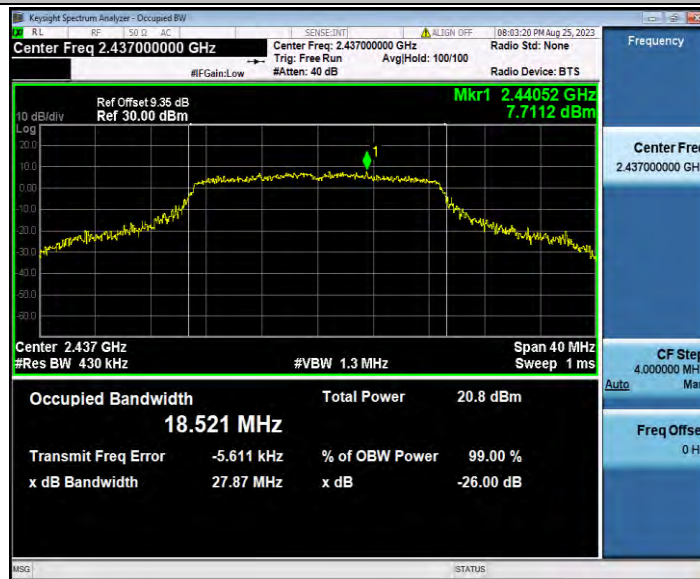
11N20SISO\_Ant0\_2437



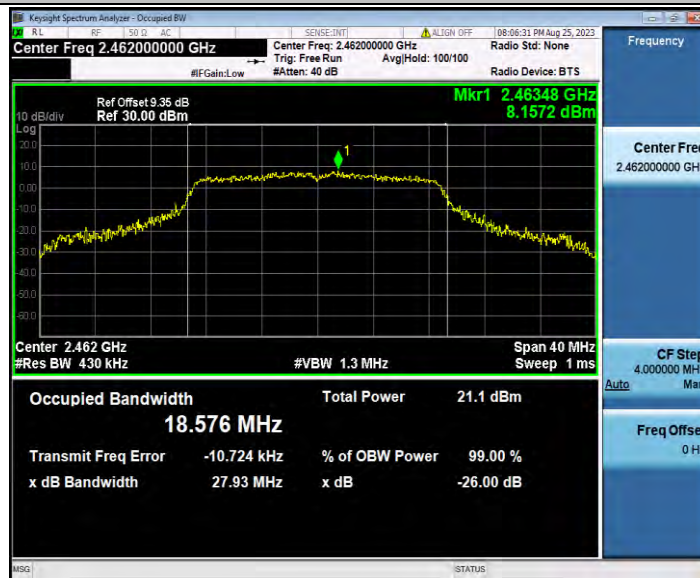
11N20SISO\_Ant0\_2462



11AX20SISO\_Ant0\_2412



11AX20SISO\_Ant0\_2437



11AX20SISO\_Ant0\_2462

## Appendix C.3: Maximum conducted output power

### Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant0	2412	20.27	≤30.00	PASS
		2437	21.01	≤30.00	PASS
		2462	21.45	≤30.00	PASS
11G	Ant0	2412	23.55	≤30.00	PASS
		2437	22.45	≤30.00	PASS
		2462	19.83	≤30.00	PASS
11N20SISO	Ant0	2412	18.15	≤30.00	PASS
		2437	18.87	≤30.00	PASS
		2462	19.21	≤30.00	PASS
11AX20SISO	Ant0	2412	23.05	≤30.00	PASS
		2437	21.91	≤30.00	PASS
		2462	22.20	≤30.00	PASS

## Appendix C.4: Maximum power spectral density

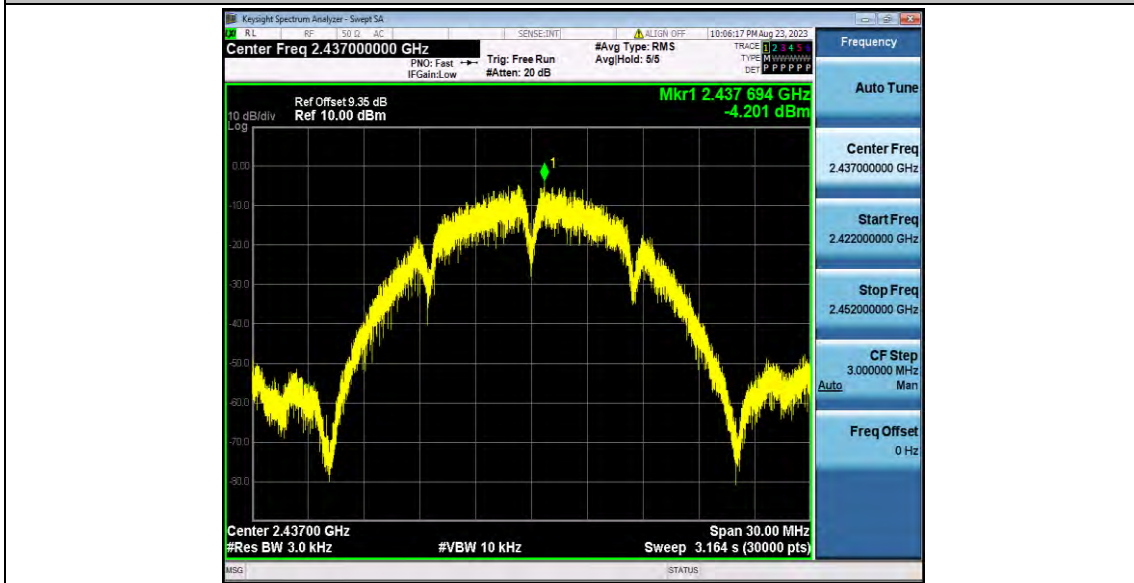
### Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant0	2412	-5.6	≤8.00	PASS
		2437	-4.2	≤8.00	PASS
		2462	-4.05	≤8.00	PASS
11G	Ant0	2412	-8.41	≤8.00	PASS
		2437	-9.29	≤8.00	PASS
		2462	-11.49	≤8.00	PASS
11N20SISO	Ant0	2412	-13.23	≤8.00	PASS
		2437	-12.86	≤8.00	PASS
		2462	-12.64	≤8.00	PASS
11AX20SISO	Ant0	2412	-10.13	≤8.00	PASS
		2437	-8.82	≤8.00	PASS
		2462	-10.71	≤8.00	PASS

## Test Graphs



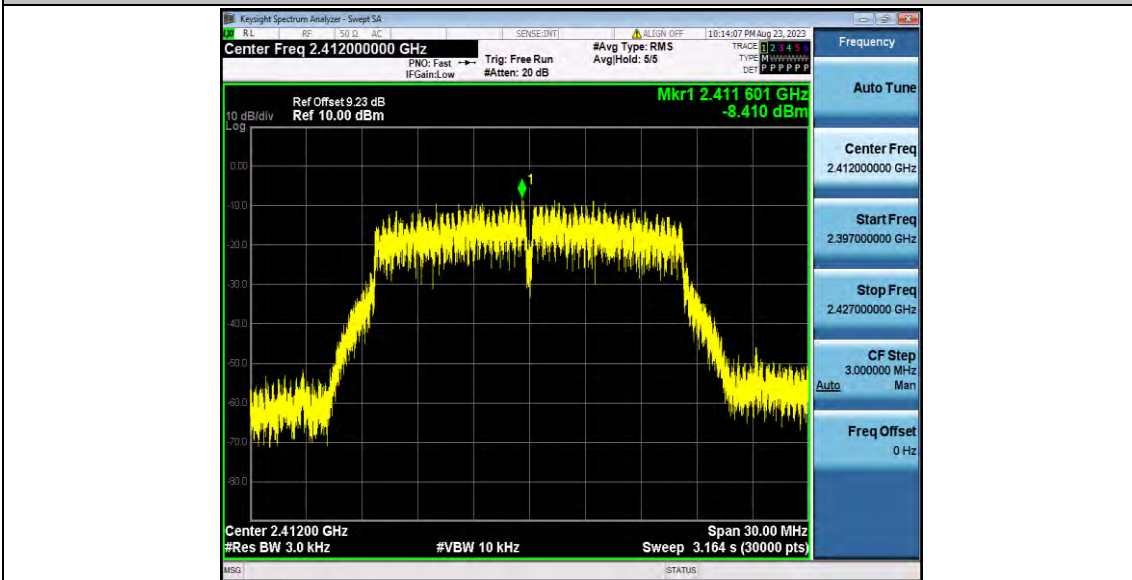
11B\_Ant0\_2412



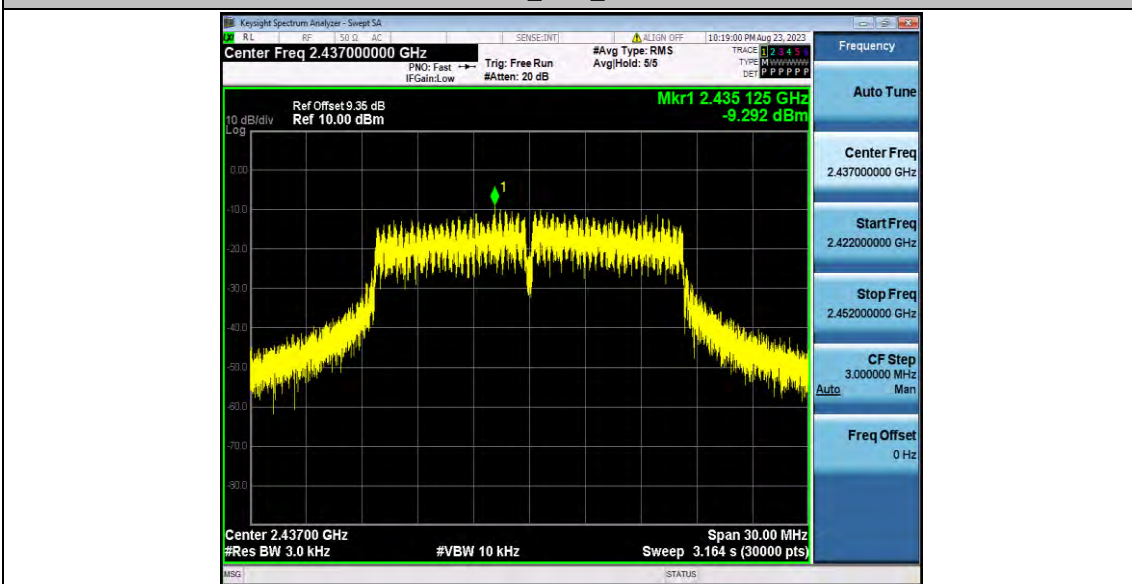
11B\_Ant0\_2437



11B\_Ant0\_2462

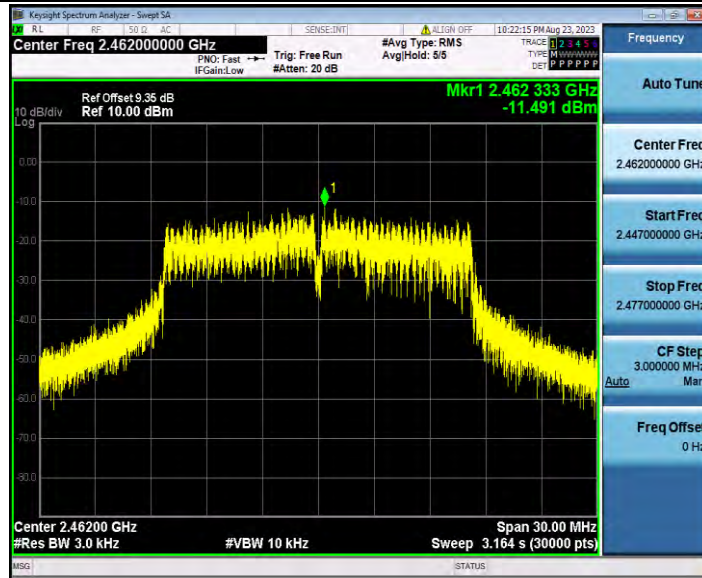


11G\_Ant0\_2412

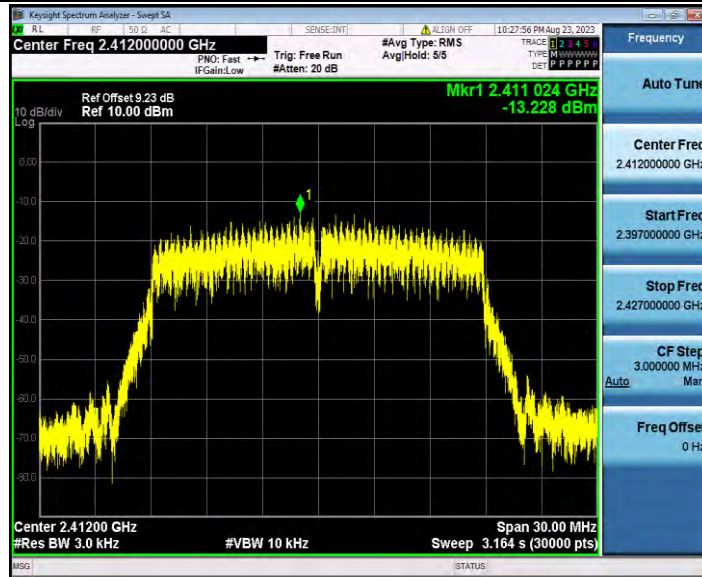




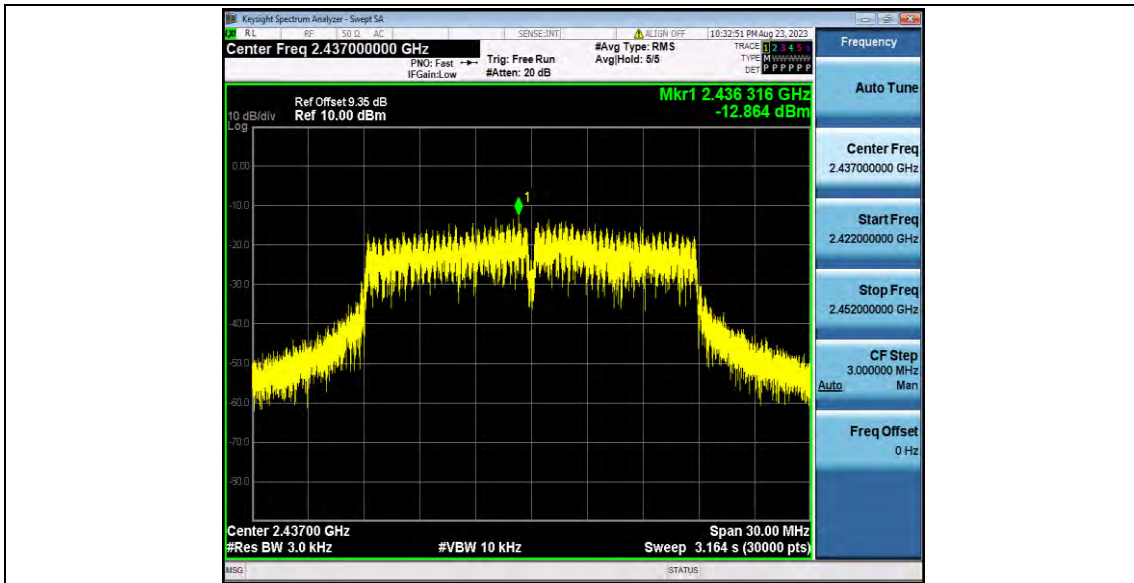
11G\_Ant0\_2437



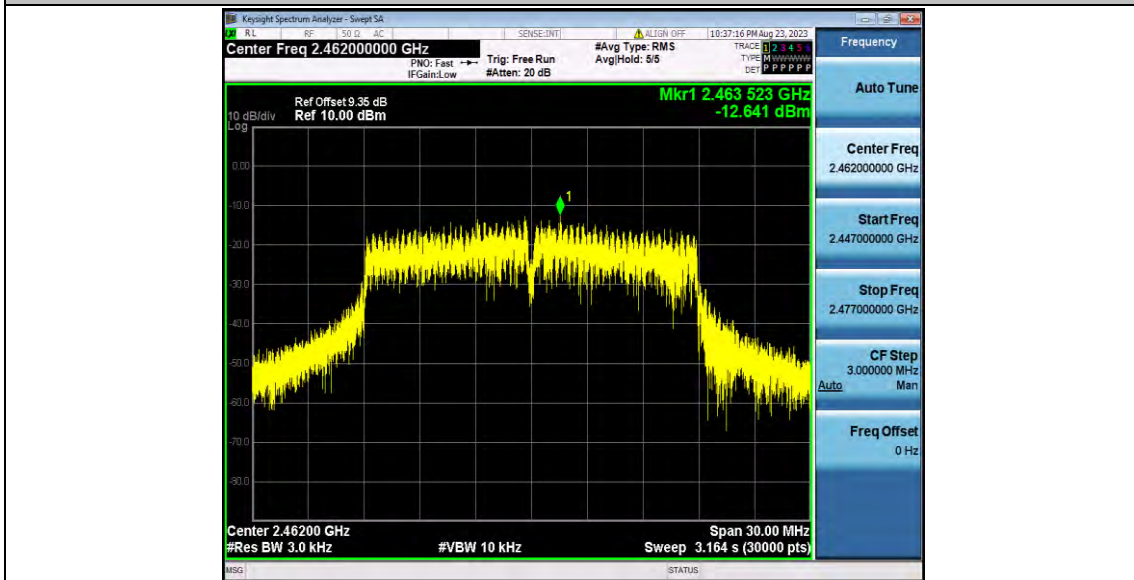
11G\_Ant0\_2462



11N20SISO\_Ant0\_2412



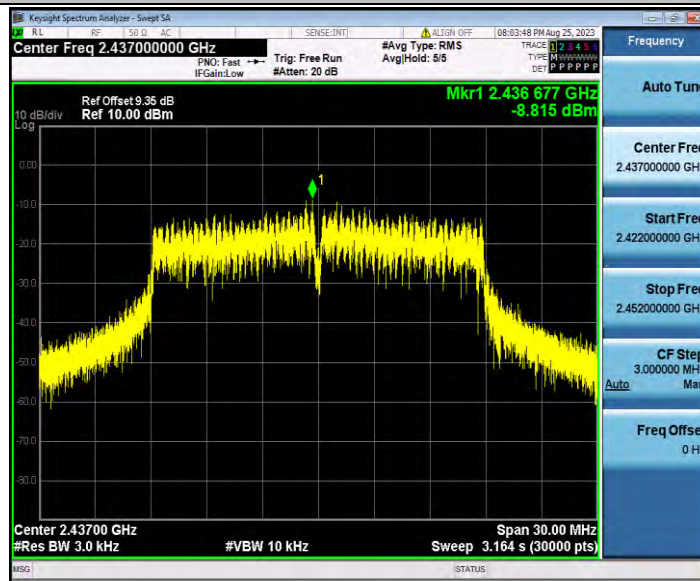
11N20SISO\_Ant0\_2437



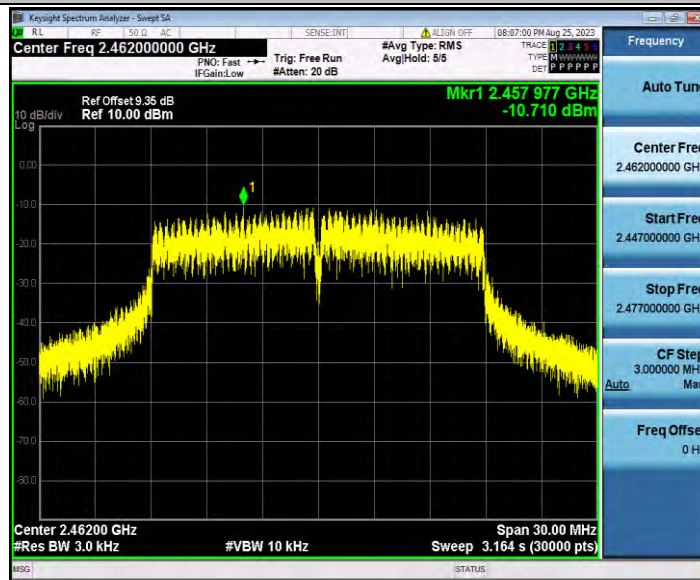
11N20SISO\_Ant0\_2462



11AX20SISO\_Ant0\_2412



11AX20SISO\_Ant0\_2437



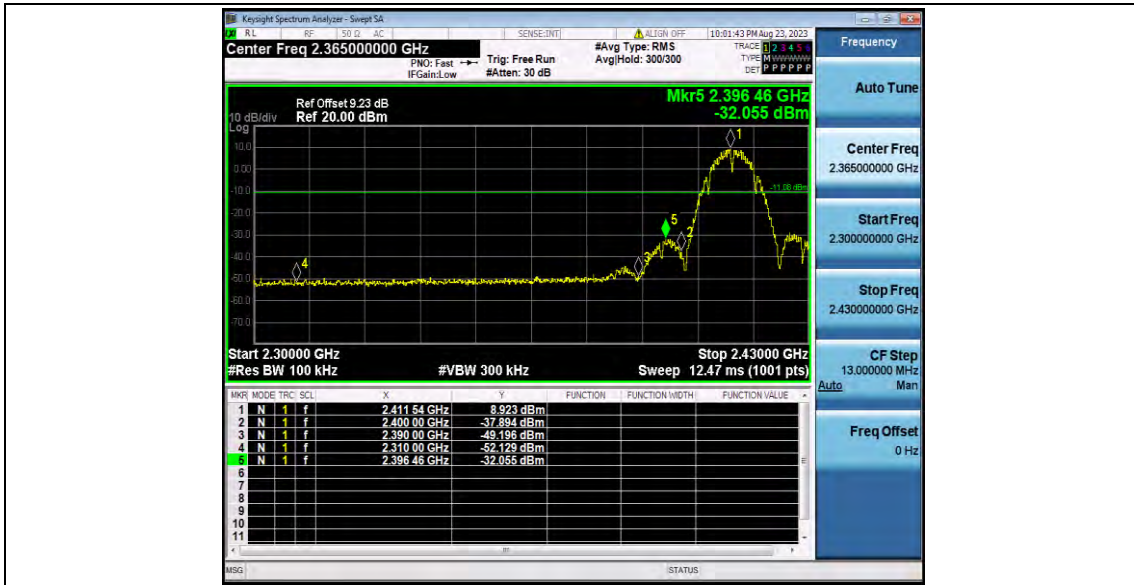
11AX20SISO\_Ant0\_2462

## Appendix C.5: Band edge measurements

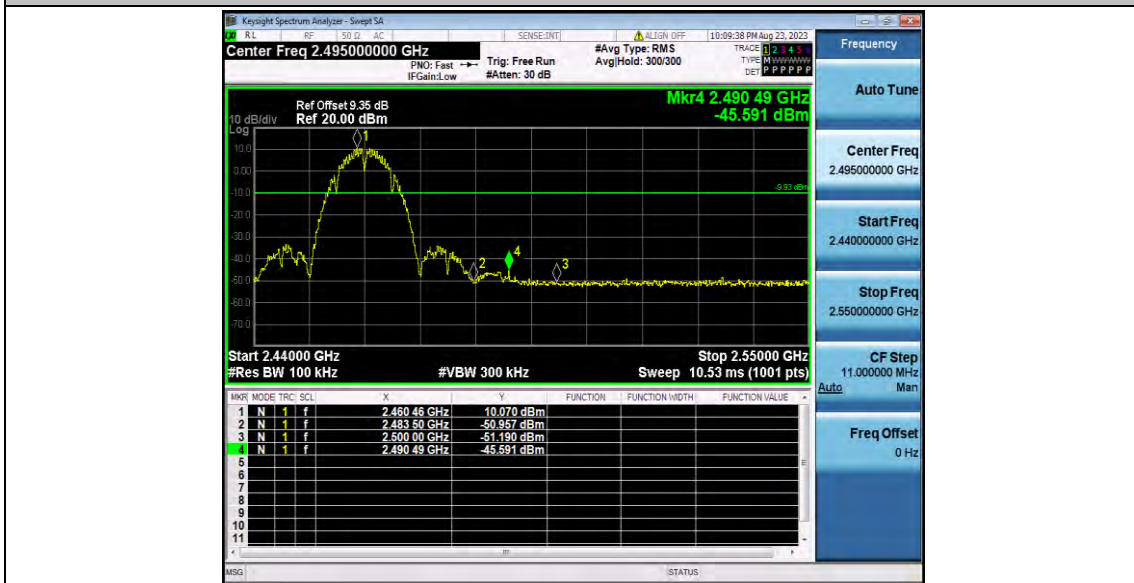
### Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant0	Low	2412	8.92	-32.06	≤-11.08	PASS
		High	2462	10.07	-45.59	≤-9.93	PASS
11G	Ant0	Low	2412	6.47	-29.3	≤-13.53	PASS
		High	2462	2.32	-47.81	≤-17.69	PASS
11N20SISO	Ant0	Low	2412	0.47	-42.75	≤-19.53	PASS
		High	2462	1.85	-47.64	≤-18.15	PASS
11AX20SISO	Ant0	Low	2412	6.28	-31.68	≤-13.72	PASS
		High	2462	5.35	-46.91	≤-14.66	PASS

## Test Graphs



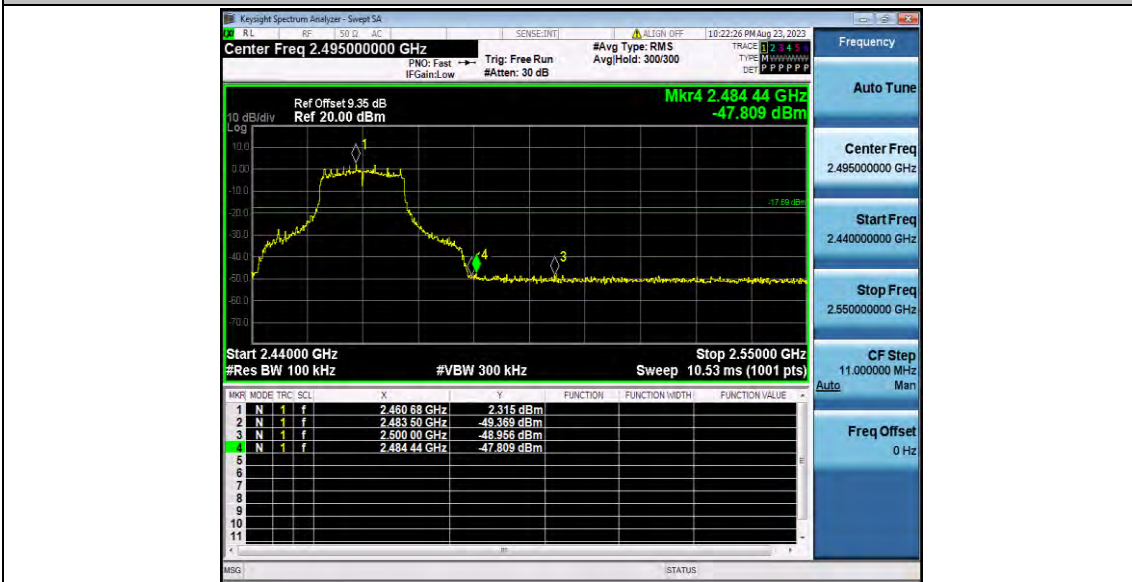
11B\_Ant0\_Low\_2412



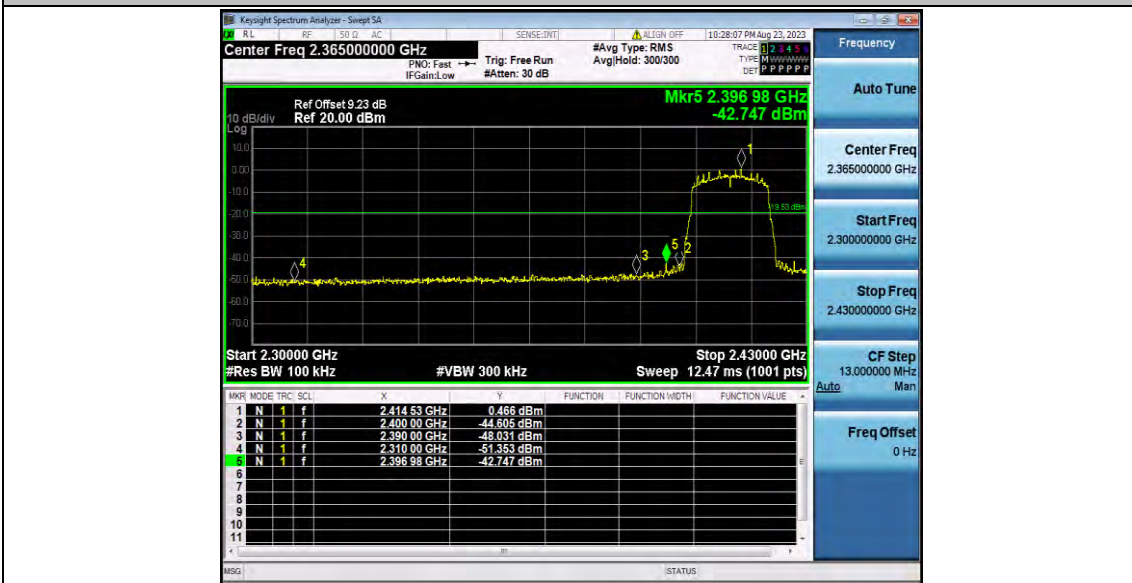
11B\_Ant0\_High\_2462



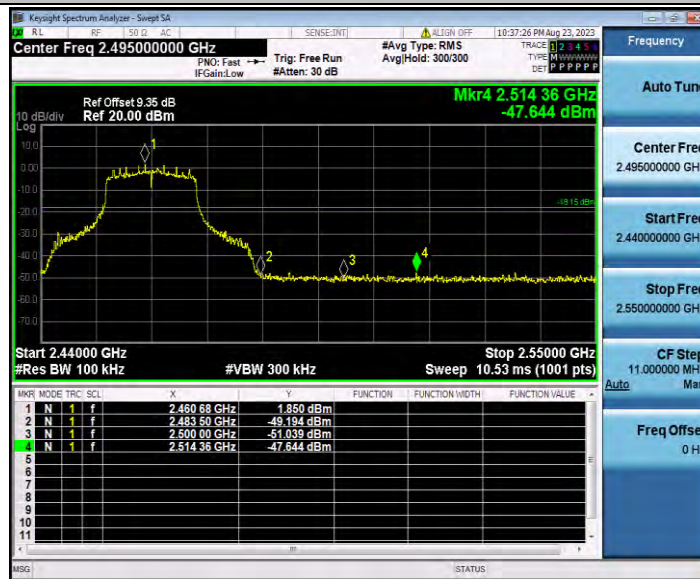
11G\_Ant0\_Low\_2412



11G\_Ant0\_High\_2462



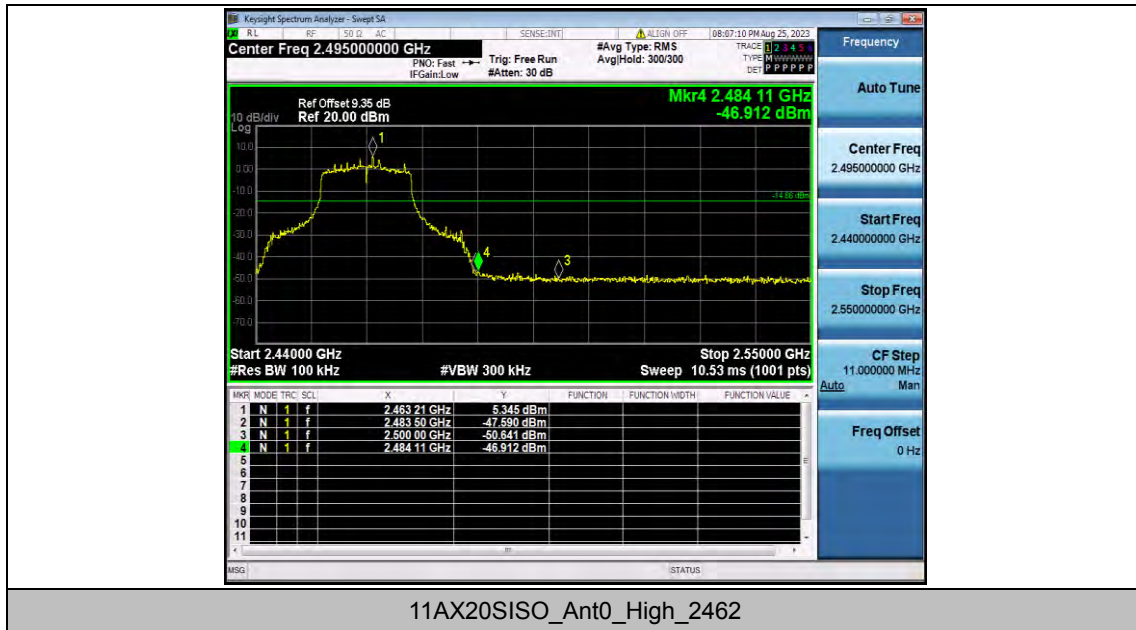
11N20SISO\_Ant0\_Low\_2412



11N20SISO\_Ant0\_High\_2462



11AX20SISO\_Ant0\_Low\_2412



11AX20SISO\_Ant0\_High\_2462



## Appendix C.6: Conducted Spurious Emission

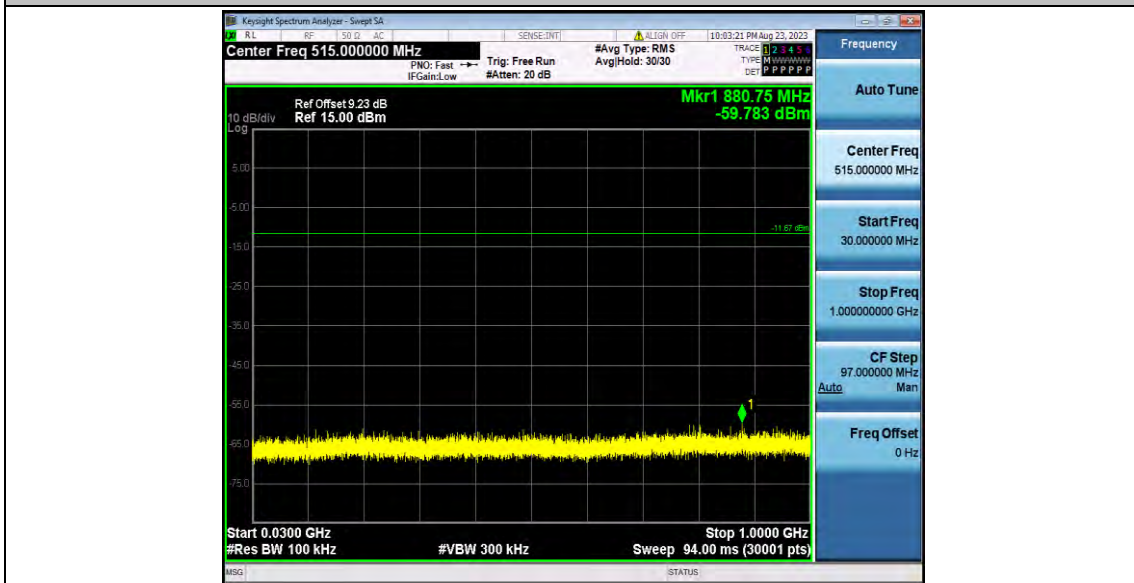
### Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant0	2412	Reference	8.33	8.33	---	PASS
			30~1000	8.33	-59.78	≤-11.67	PASS
			1000~26500	8.33	-39.82	≤-11.67	PASS
		2437	Reference	9.20	9.20	---	PASS
			30~1000	9.20	-59.31	≤-10.8	PASS
			1000~26500	9.20	-42.25	≤-10.8	PASS
		2462	Reference	9.17	9.17	---	PASS
			30~1000	9.17	-60.06	≤-10.83	PASS
			1000~26500	9.17	-42.06	≤-10.83	PASS
11G	Ant0	2412	Reference	3.37	3.37	---	PASS
			30~1000	3.37	-60.69	≤-16.63	PASS
			1000~26500	3.37	-47.06	≤-16.63	PASS
		2437	Reference	1.38	1.38	---	PASS
			30~1000	1.38	-60.51	≤-18.62	PASS
			1000~26500	1.38	-47.02	≤-18.62	PASS
		2462	Reference	-0.76	-0.76	---	PASS
			30~1000	-0.76	-60.41	≤-20.76	PASS
			1000~26500	-0.76	-46.85	≤-20.76	PASS
11N20SISO	Ant0	2412	Reference	0.30	0.30	---	PASS
			30~1000	0.30	-60.29	≤-19.7	PASS
			1000~26500	0.30	-47.74	≤-19.7	PASS
		2437	Reference	-0.37	-0.37	---	PASS
			30~1000	-0.37	-59.76	≤-20.37	PASS
			1000~26500	-0.37	-47.01	≤-20.37	PASS
		2462	Reference	-1.86	-1.86	---	PASS
			30~1000	-1.86	-60.3	≤-21.86	PASS
			1000~26500	-1.86	-47.49	≤-21.86	PASS
11AX20SISO	Ant0	2412	Reference	2.40	2.40	---	PASS
			30~1000	2.40	-58.65	≤-17.6	PASS
			1000~26500	2.40	-47.08	≤-17.6	PASS
		2437	Reference	2.75	2.75	---	PASS
			30~1000	2.75	-59.57	≤-17.25	PASS
			1000~26500	2.75	-47.48	≤-17.25	PASS
		2462	Reference	2.42	2.42	---	PASS
			30~1000	2.42	-60.43	≤-17.58	PASS
			1000~26500	2.42	-47.32	≤-17.58	PASS

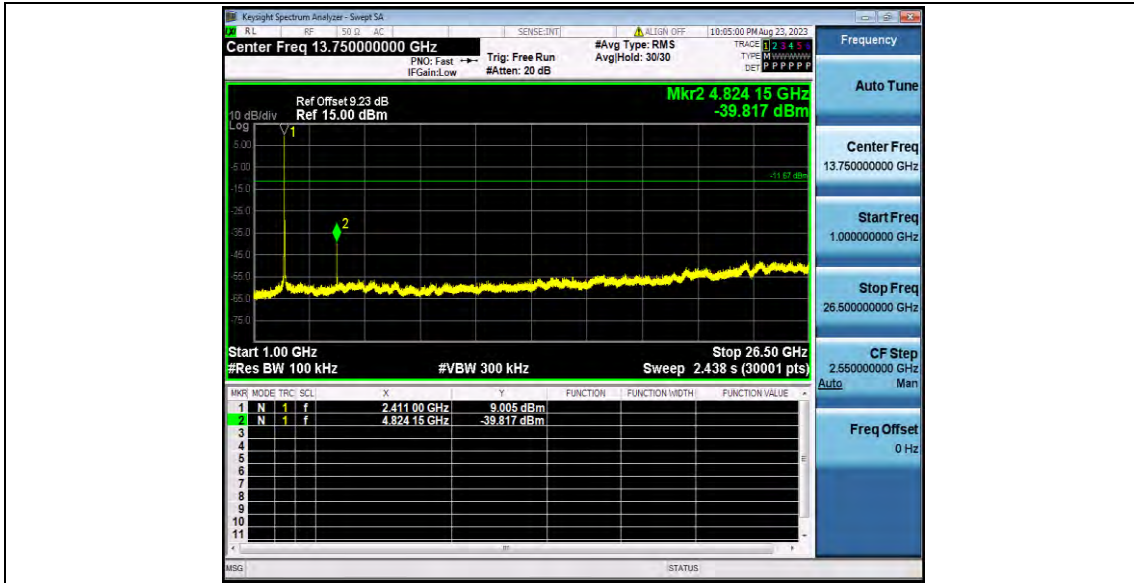
## Test Graphs



11B\_Ant0\_2412\_0~Reference



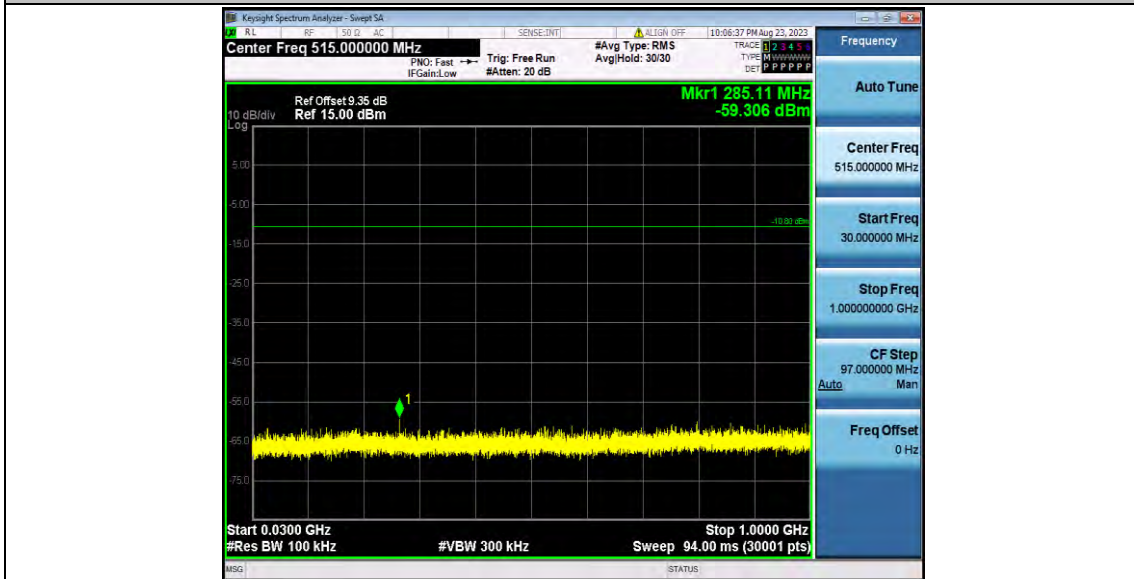
11B\_Ant0\_2412\_30~1000



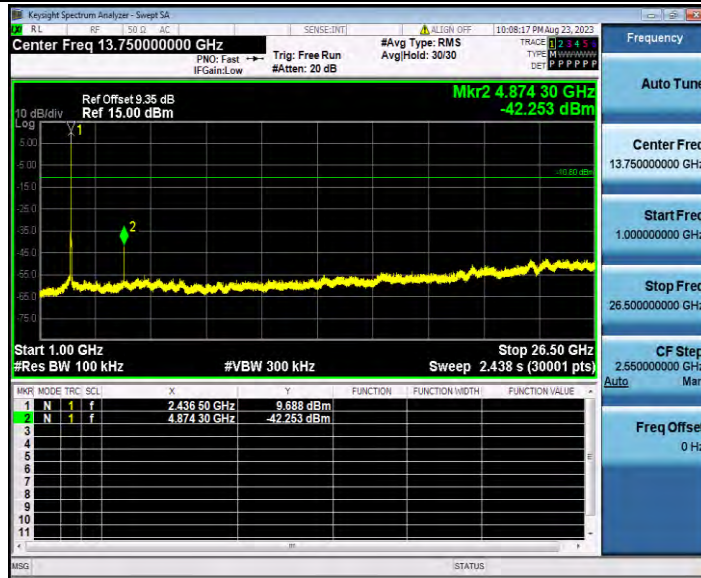
11B\_Ant0\_2412\_1000~26500



11B\_Ant0\_2437\_0~Reference



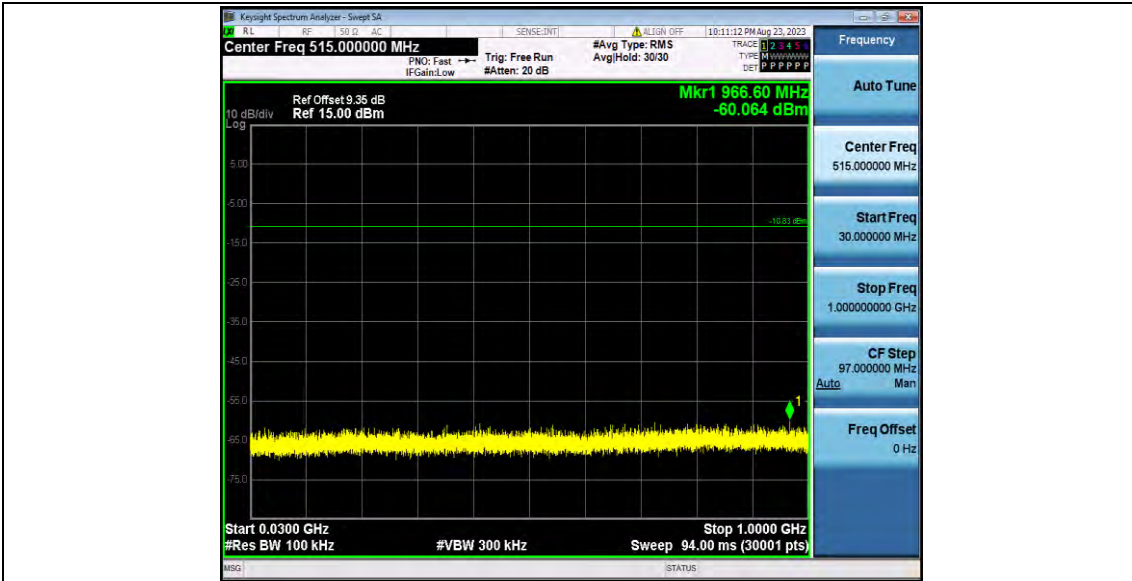
11B\_Ant0\_2437\_30~1000



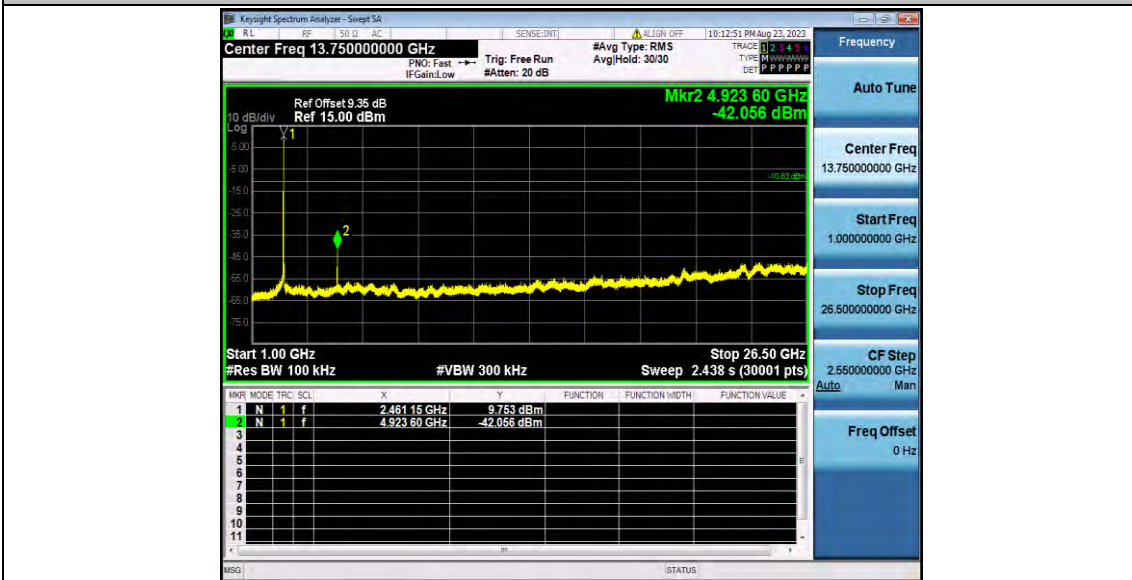
11B\_Ant0\_2437\_1000~26500



11B\_Ant0\_2462\_0~Reference



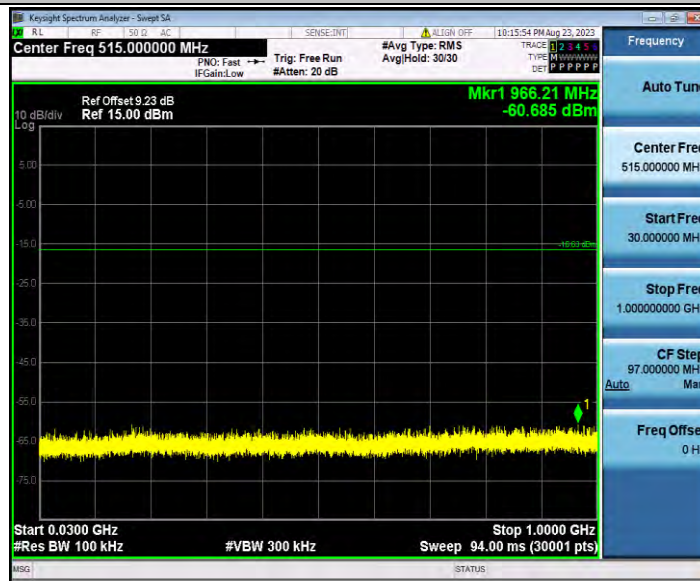
11B\_Ant0\_2462\_30~1000



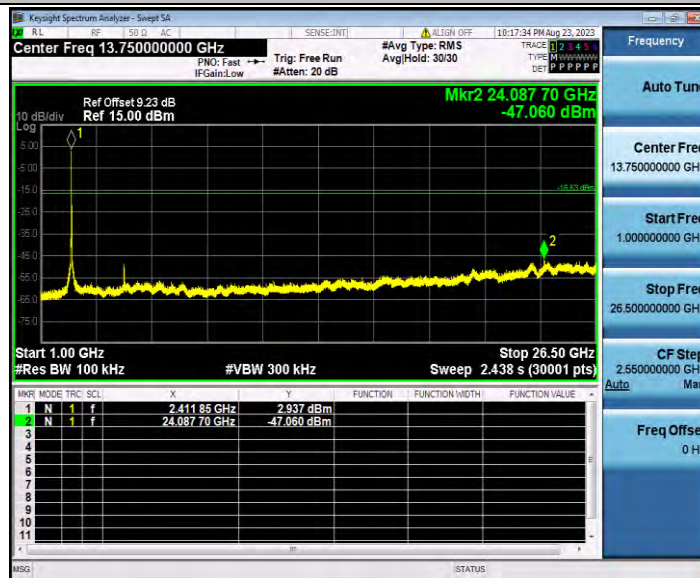
11B\_Ant0\_2462\_1000~26500



11G\_Ant0\_2412\_0~Reference



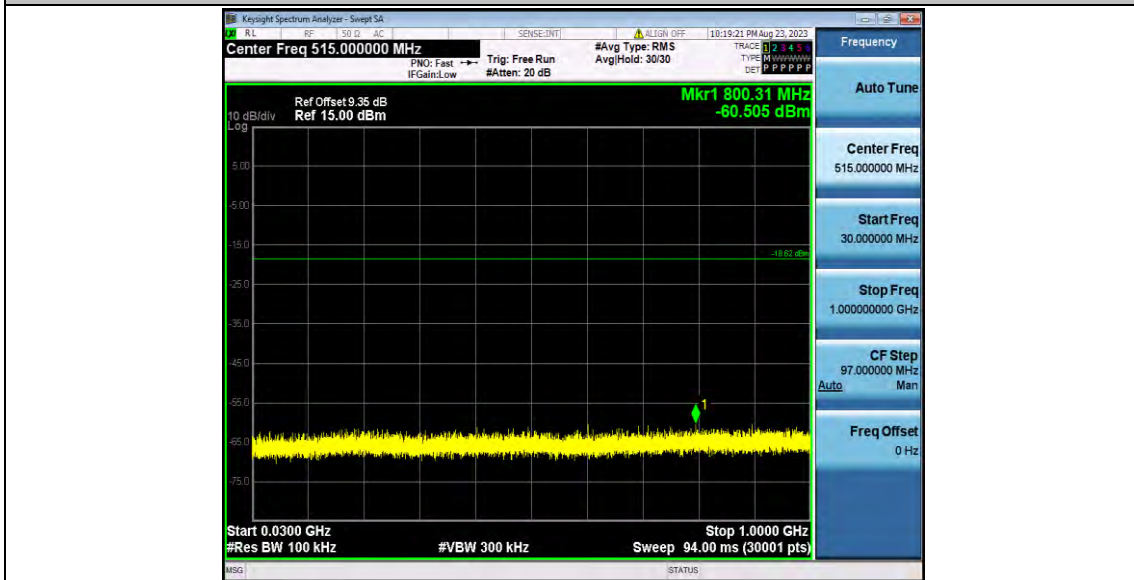
11G\_Ant0\_2412\_30~1000



11G\_Ant0\_2412\_1000~26500



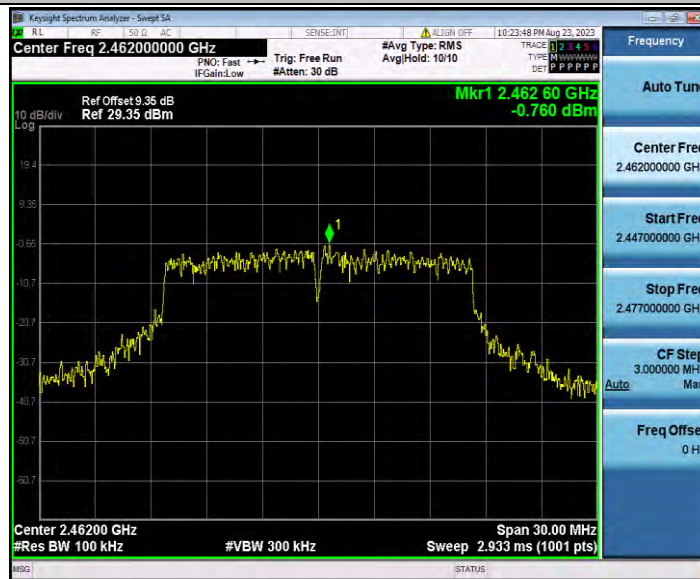
11G\_Ant0\_2437\_0~Reference



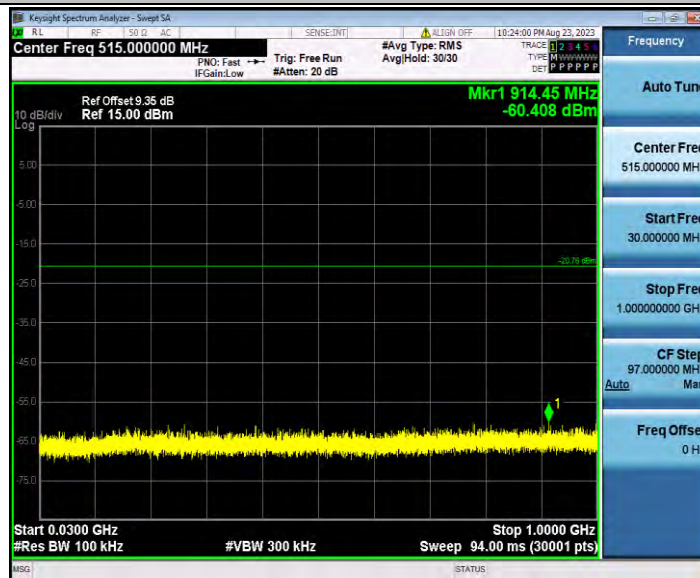
11G\_Ant0\_2437\_30~1000



11G\_Ant0\_2437\_1000~26500

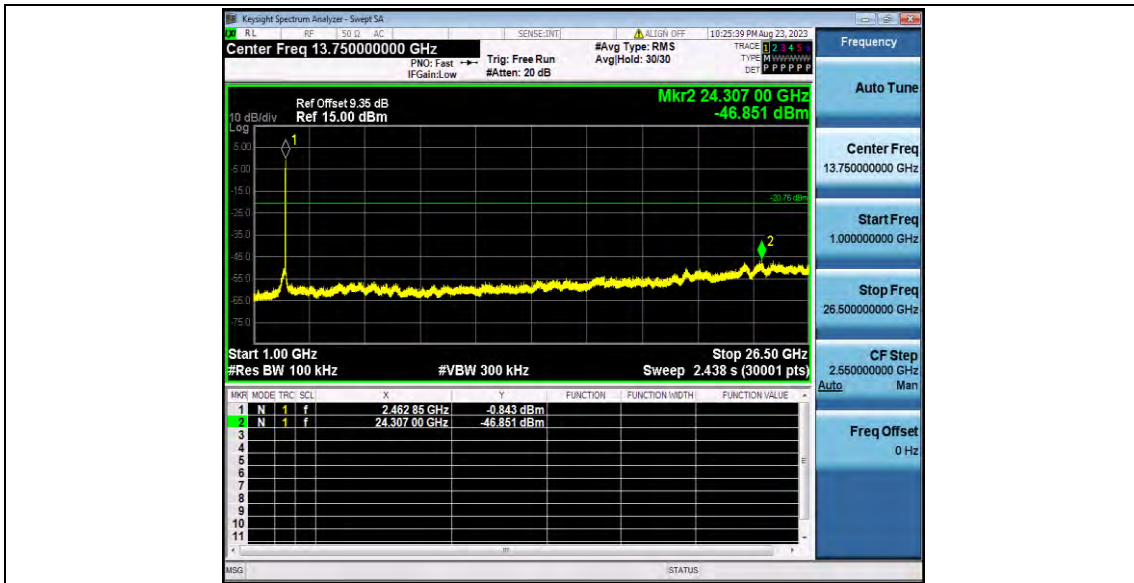


11G\_Ant0\_2462\_0~Reference



11G\_Ant0\_2462\_30~1000

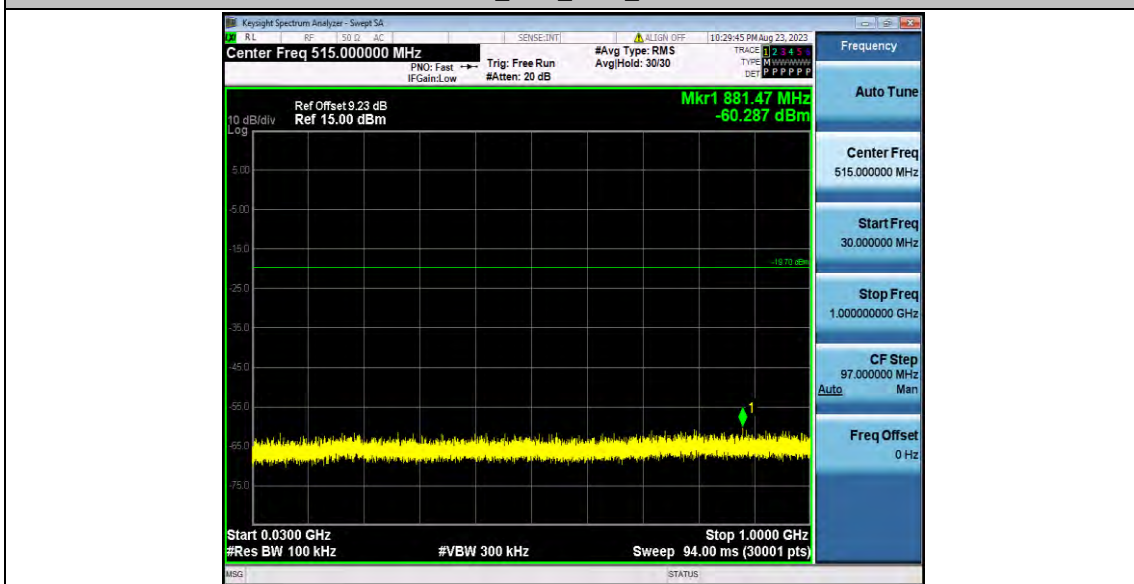




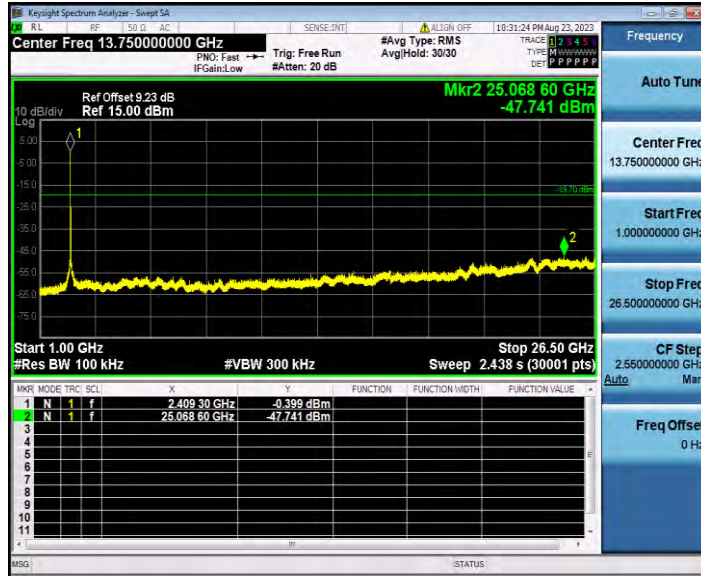
11G\_Ant0\_2462\_1000~26500



11N20SISO\_Ant0\_2412\_0~Reference



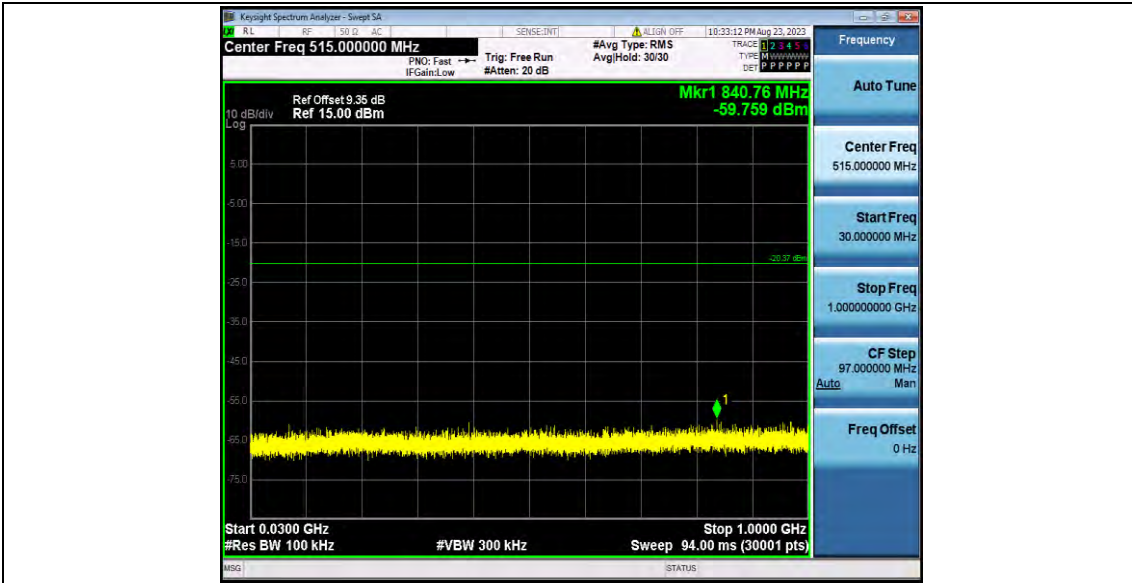
11N20SISO\_Ant0\_2412\_30~1000



11N20SISO\_Ant0\_2412\_1000~26500



11N20SISO\_Ant0\_2437\_0~Reference



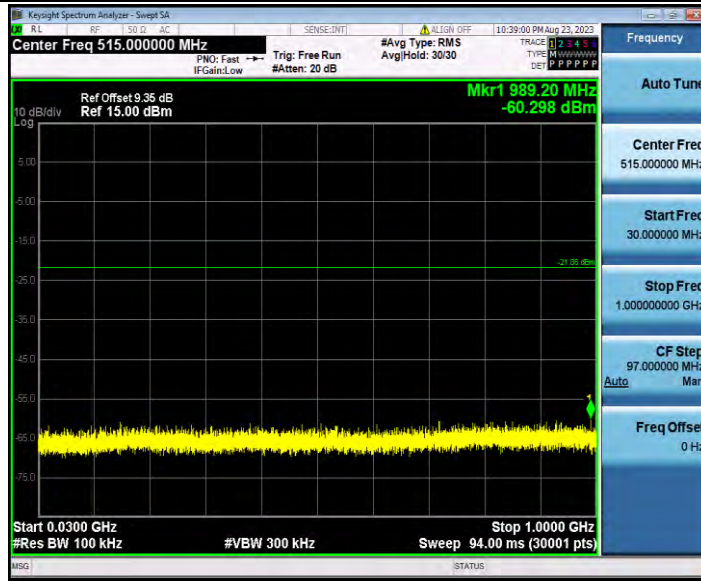
11N20SISO\_Ant0\_2437\_30~1000



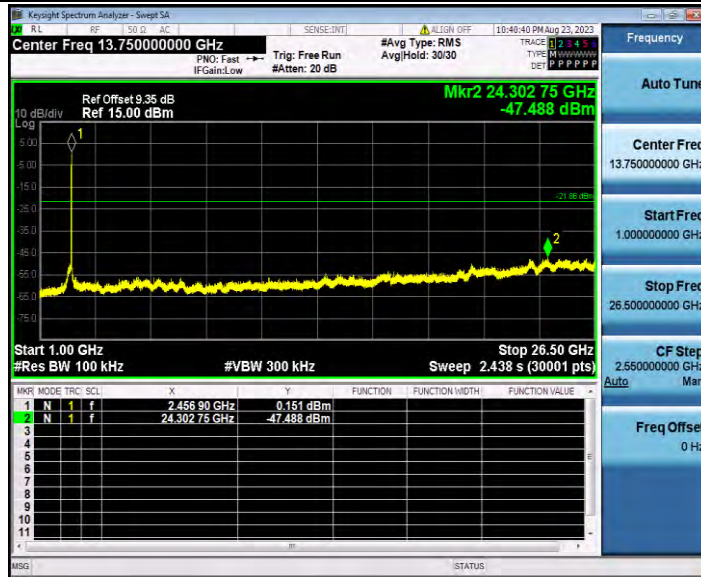
11N20SISO\_Ant0\_2437\_1000~26500



11N20SISO\_Ant0\_2462\_0~Reference



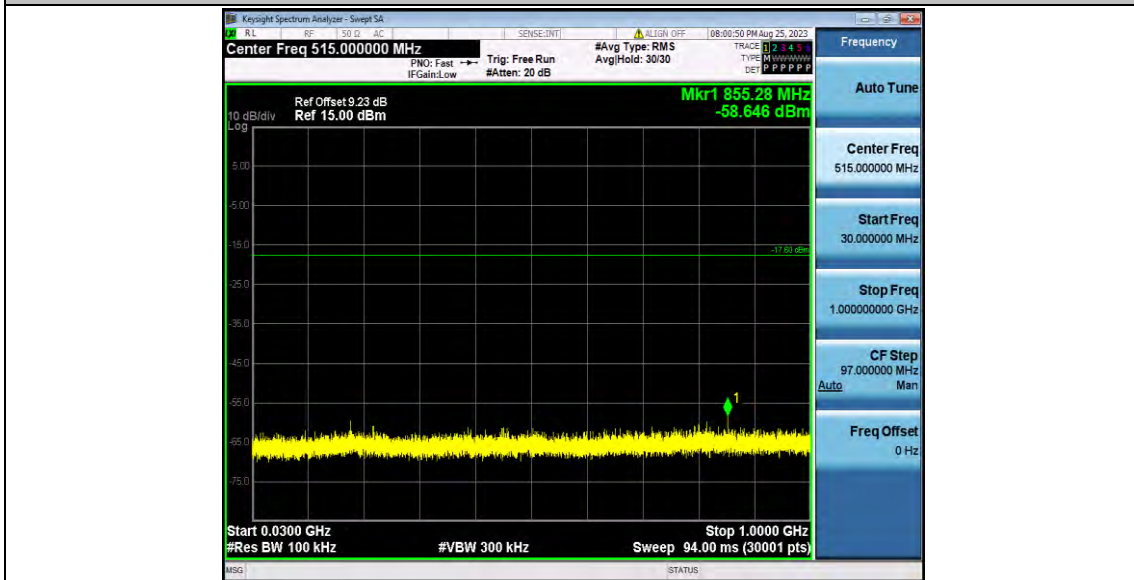
11N20SISO\_Ant0\_2462\_30~1000



11N20SISO\_Ant0\_2462\_1000~26500



11AX20SISO\_Ant0\_2412\_0~Reference



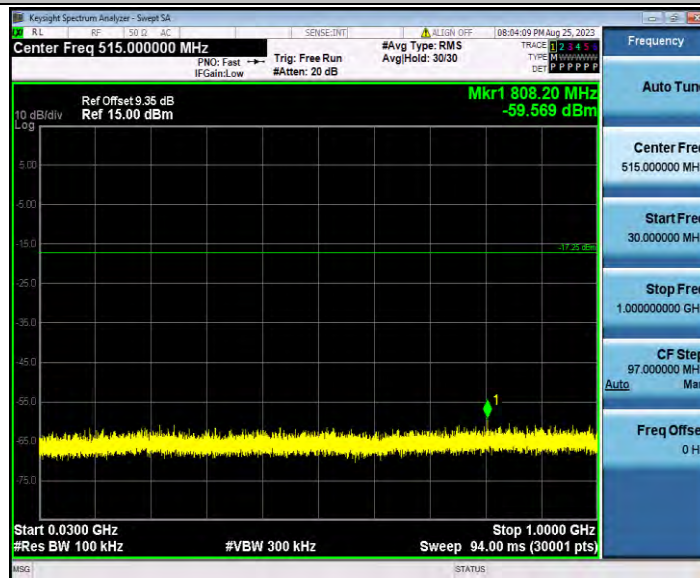
11AX20SISO\_Ant0\_2412\_30~1000



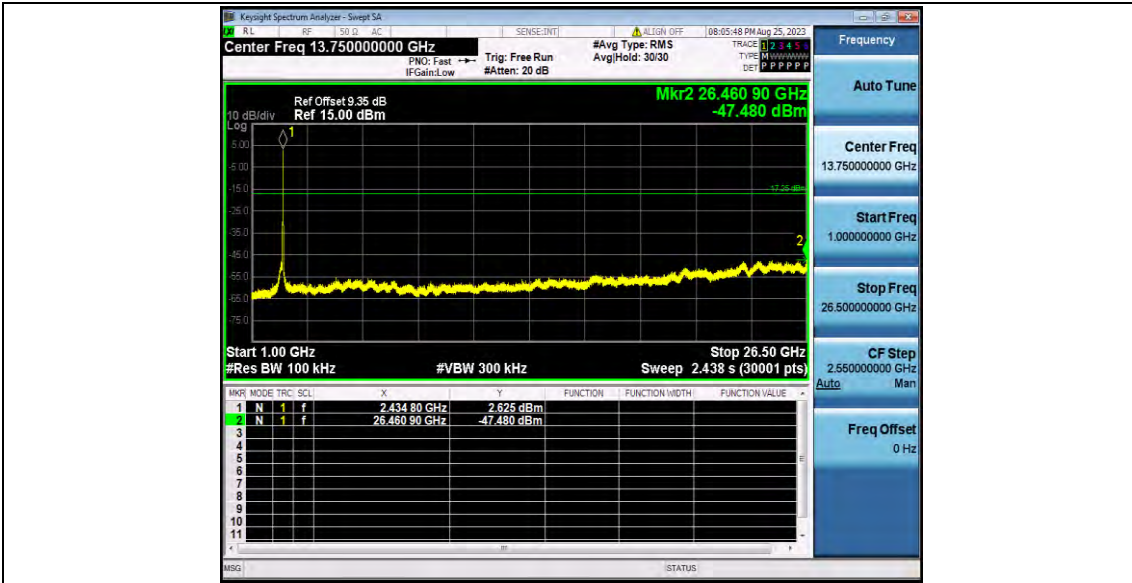
11AX20SISO\_Ant0\_2412\_1000~26500



11AX20SISO\_Ant0\_2437\_0~Reference



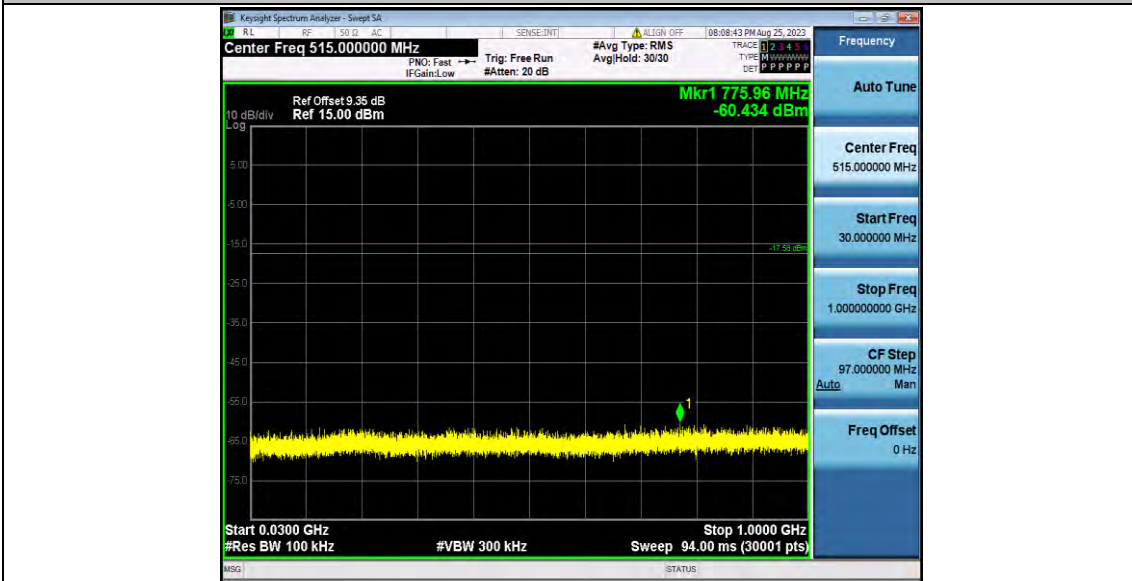
11AX20SISO\_Ant0\_2437\_30~1000



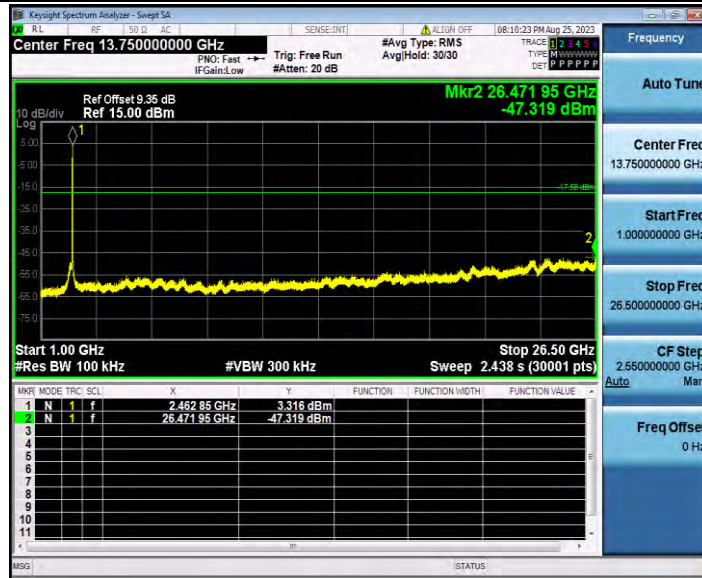
11AX20SISO\_Ant0\_2437\_1000~26500



11AX20SISO\_Ant0\_2462\_0~Reference



11AX20SISO\_Ant0\_2462\_30~1000



11AX20SISO\_Ant0\_2462\_1000~26500