

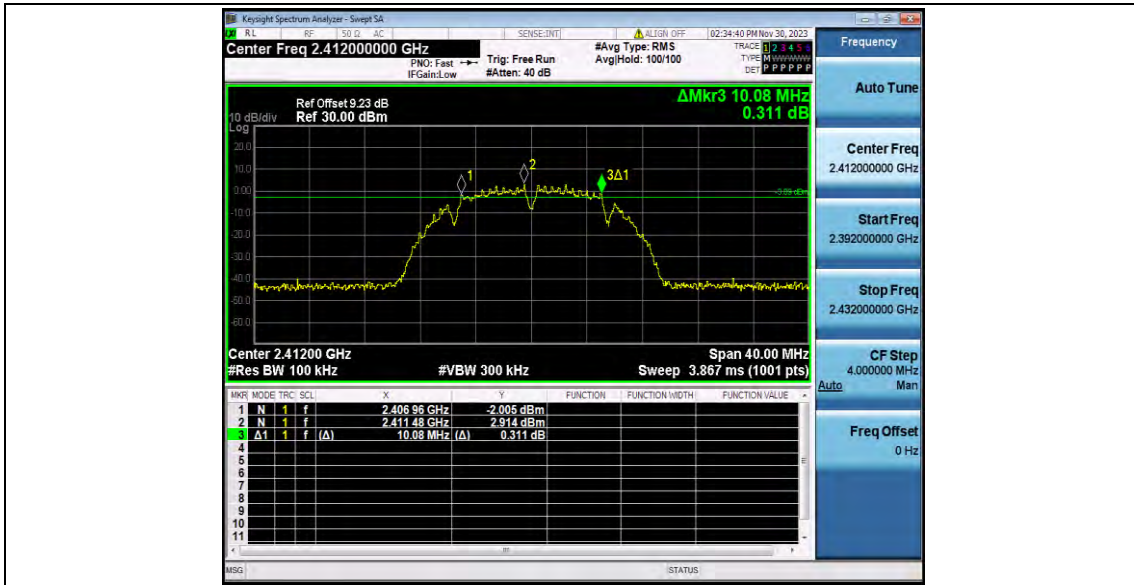
<b>Case No. :</b> <u>GTS20231017004-1-12</u>
<b>Ambient Condition:</b> <u>24</u> °C, <u>48</u> %RH, Atmos100.1Kpa,
<b>Test Date:</b> <u>2023.11.27</u> <b>Test Engineer:</b> <u>Evan ouyang</u>

## Appendix C.1: DTS Bandwidth

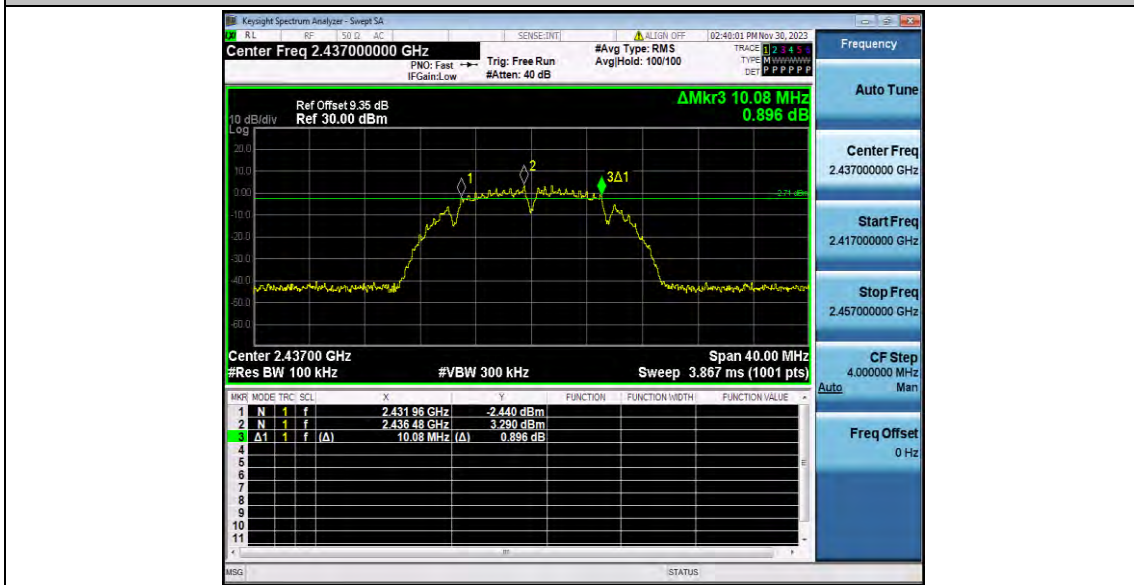
### Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.080	2406.960	2417.040	0.5	PASS
		2437	10.080	2431.960	2442.040	0.5	PASS
		2462	10.120	2456.920	2467.040	0.5	PASS
11G	Ant1	2412	16.360	2403.800	2420.160	0.5	PASS
		2437	16.320	2428.840	2445.160	0.5	PASS
		2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.520	2403.240	2420.760	0.5	PASS
		2437	17.280	2428.520	2445.800	0.5	PASS
		2462	17.560	2453.200	2470.760	0.5	PASS
11N40SISO	Ant1	2422	36.320	2403.840	2440.160	0.5	PASS
		2437	36.320	2418.840	2455.160	0.5	PASS
		2452	35.920	2434.240	2470.160	0.5	PASS

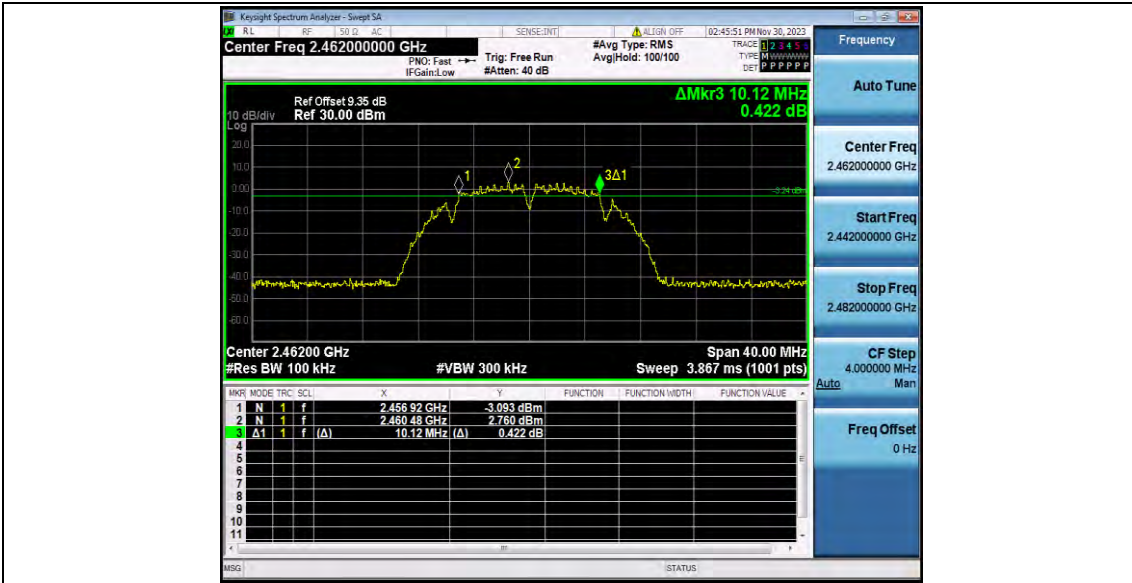
## Test Graphs



11B\_Ant1\_2412



11B\_Ant1\_2437



11B\_Ant1\_2462



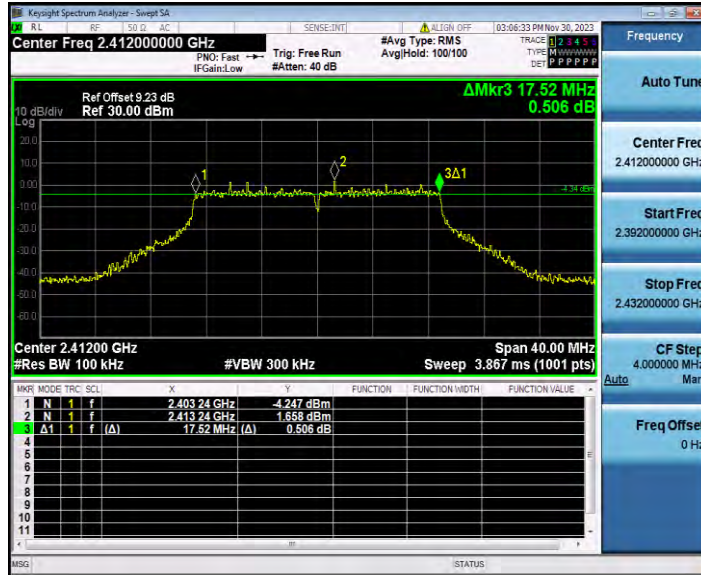
11G\_Ant1\_2412



11G\_Ant1\_2437

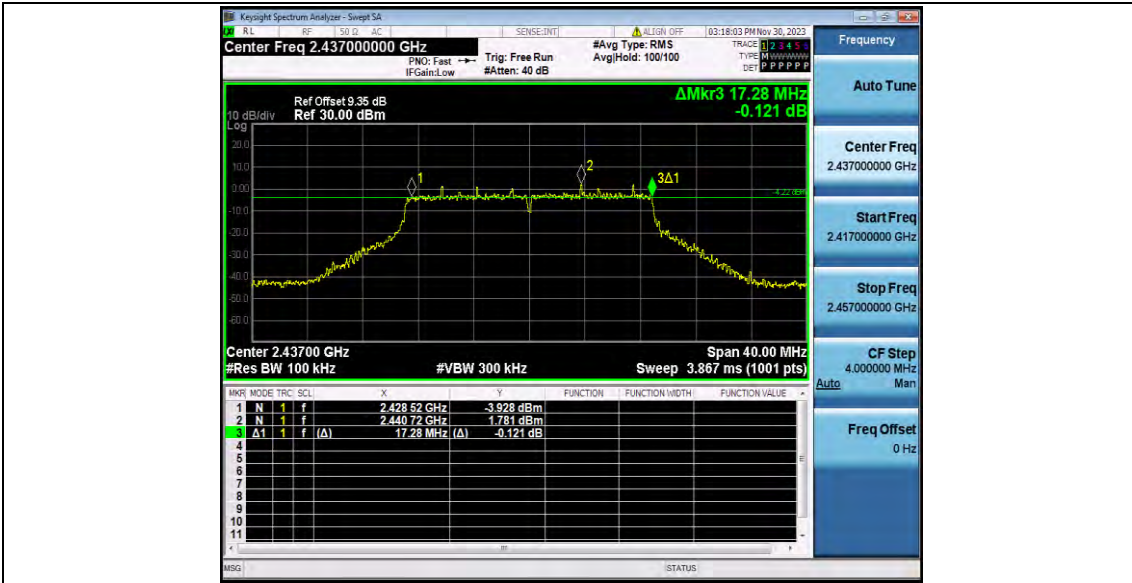


11G\_Ant1\_2462



11N20SISO\_Ant1\_2412

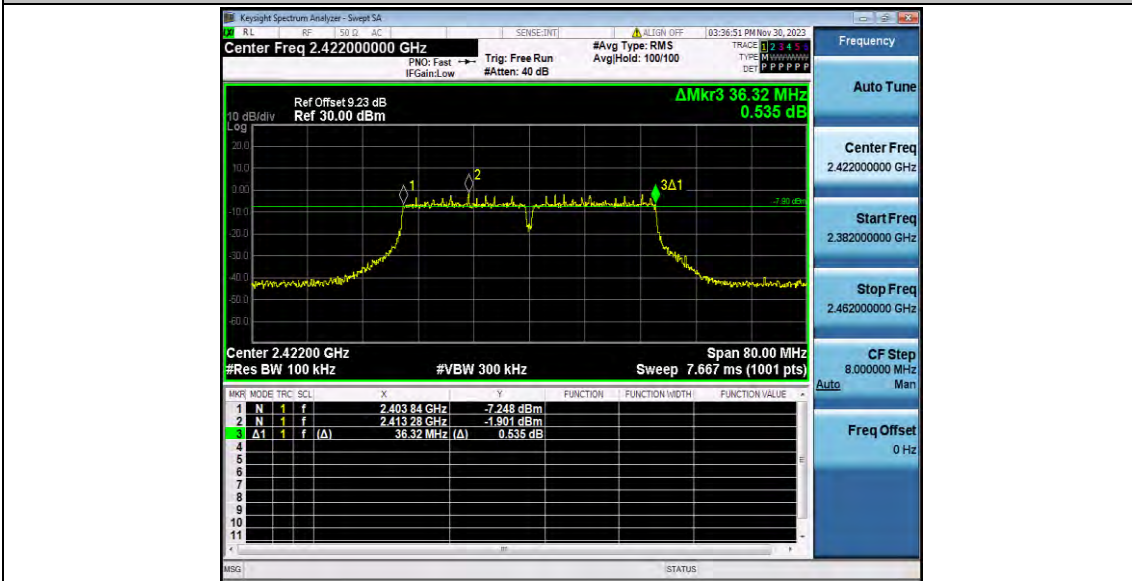




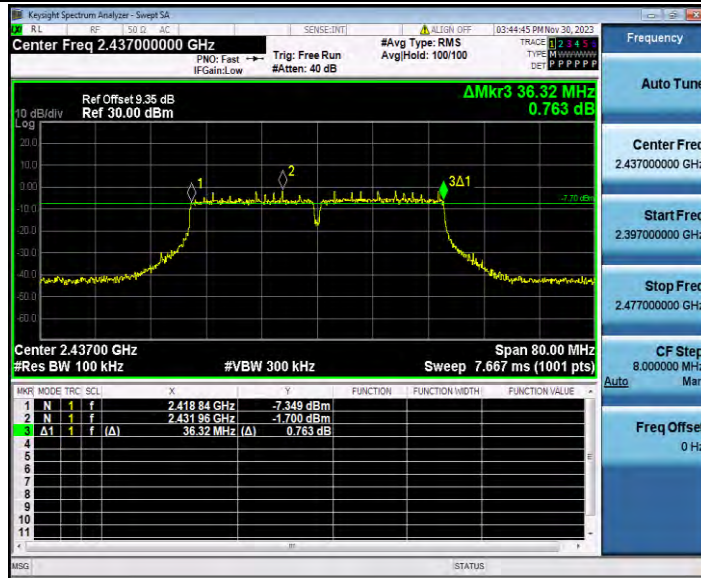
11N20SISO\_Ant1\_2437



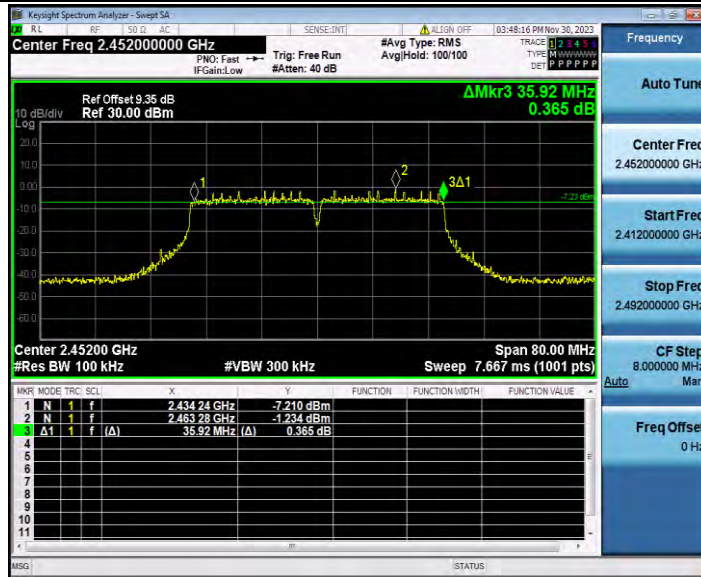
11N20SISO\_Ant1\_2462



11N40SISO\_Ant1\_2422



11N40SISO\_Ant1\_2437



11N40SISO\_Ant1\_2452

## Appendix C.2: Occupied Channel Bandwidth

### Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.539	2405.277	2418.816	---	---
		2437	13.487	2430.327	2443.814	---	---
		2462	13.455	2455.264	2468.719	---	---
11G	Ant1	2412	17.150	2403.454	2420.604	---	---
		2437	17.181	2428.484	2445.665	---	---
		2462	17.110	2453.457	2470.567	---	---
11N20SISO	Ant1	2412	18.290	2402.900	2421.190	---	---
		2437	18.203	2427.958	2446.161	---	---
		2462	18.163	2452.884	2471.047	---	---
11N40SISO	Ant1	2422	36.675	2403.690	2440.365	---	---
		2437	36.583	2418.735	2455.318	---	---
		2452	36.474	2433.816	2470.290	---	---

## Test Graphs



11B\_Ant1\_2412

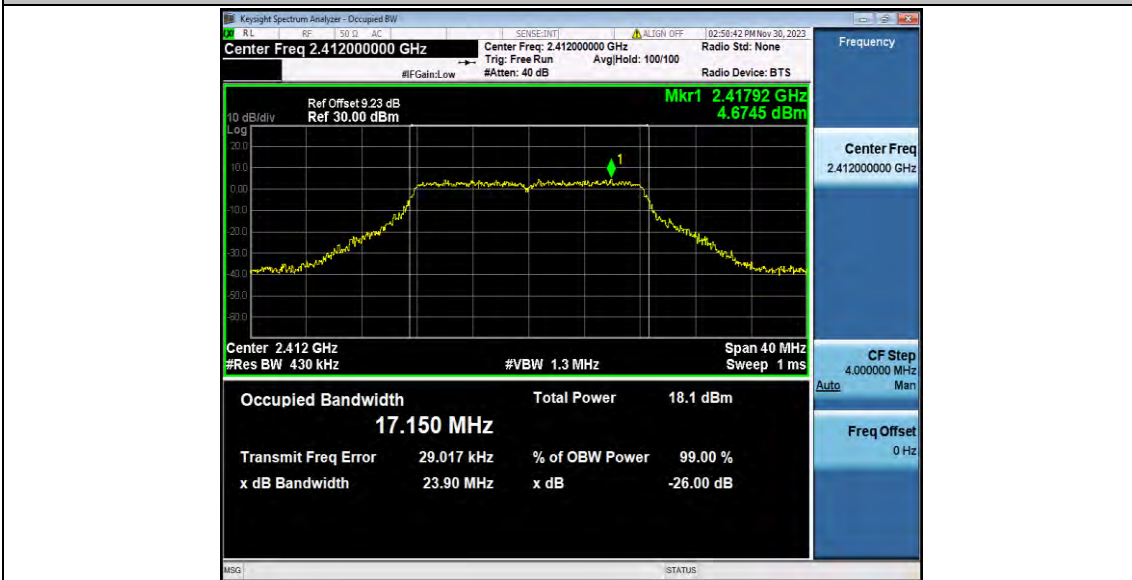


11B\_Ant1\_2437





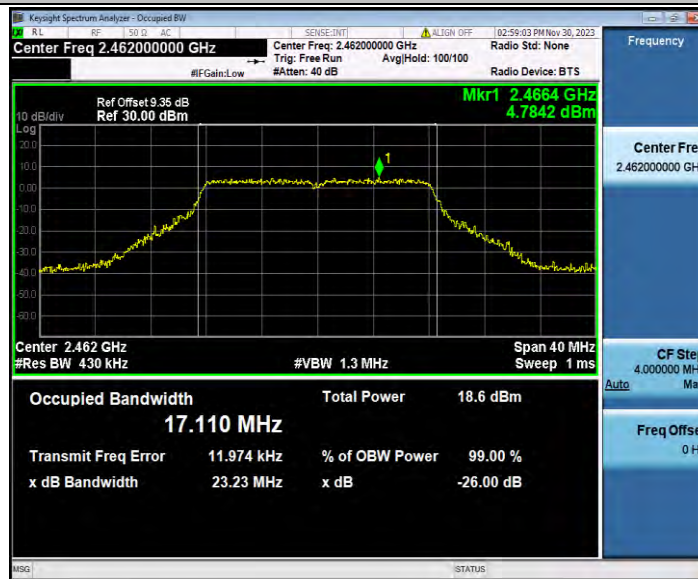
11B\_Ant1\_2462



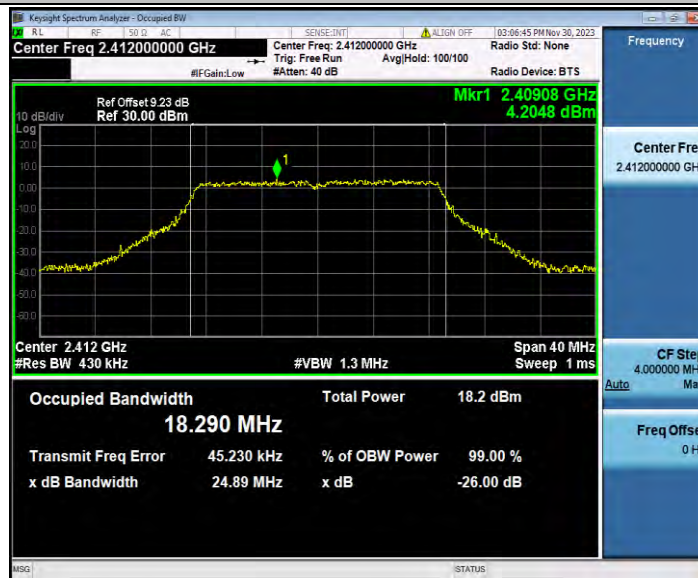
11G\_Ant1\_2412



11G\_Ant1\_2437



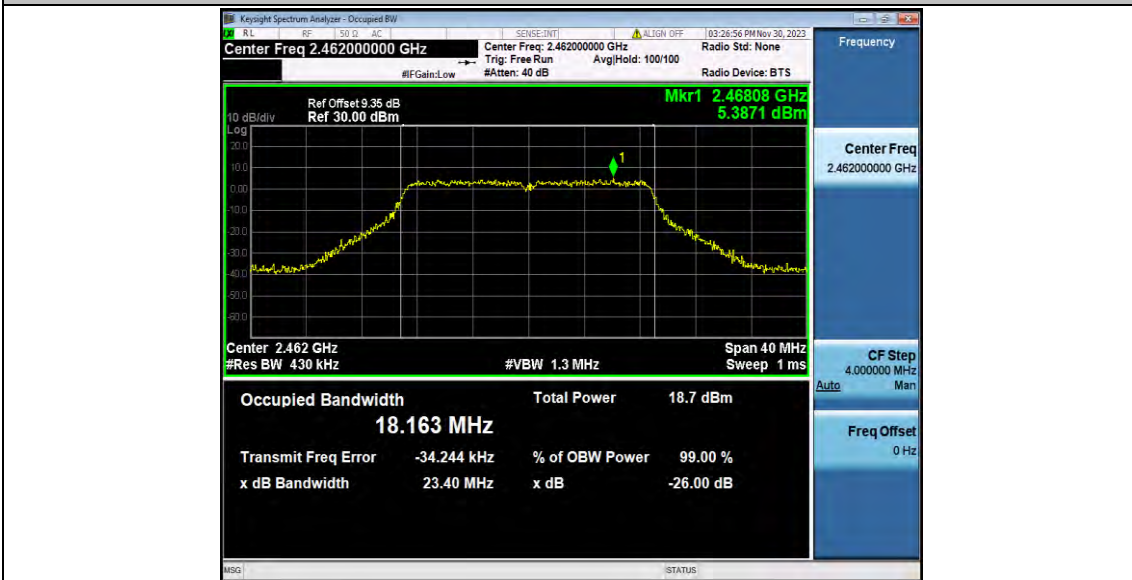
11G\_Ant1\_2462



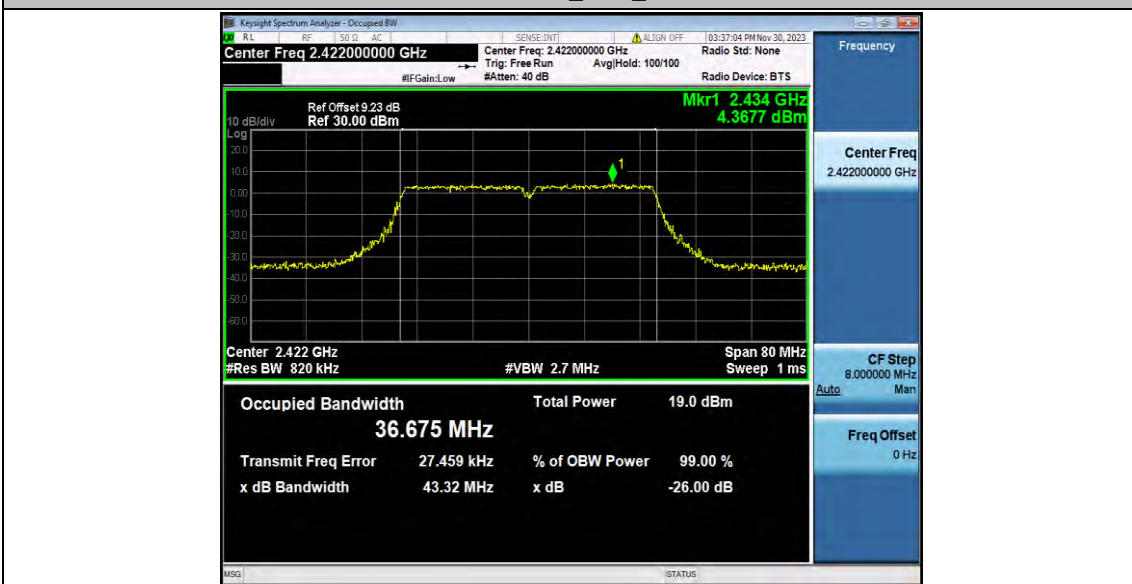
11N20SISO\_Ant1\_2412



11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462



11N40SISO\_Ant1\_2422



11N40SISO\_Ant1\_2437



11N40SISO\_Ant1\_2452

## Appendix C.3: Maximum conducted output power

### Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	15.12	≤30.00	PASS
		2437	15.36	≤30.00	PASS
		2462	15.36	≤30.00	PASS
11G	Ant1	2412	19.23	≤30.00	PASS
		2437	19.68	≤30.00	PASS
		2462	19.75	≤30.00	PASS
11N20SISO	Ant1	2412	19.19	≤30.00	PASS
		2437	19.58	≤30.00	PASS
		2462	19.54	≤30.00	PASS
11N40SISO	Ant1	2422	19.32	≤30.00	PASS
		2437	19.61	≤30.00	PASS
		2452	19.85	≤30.00	PASS

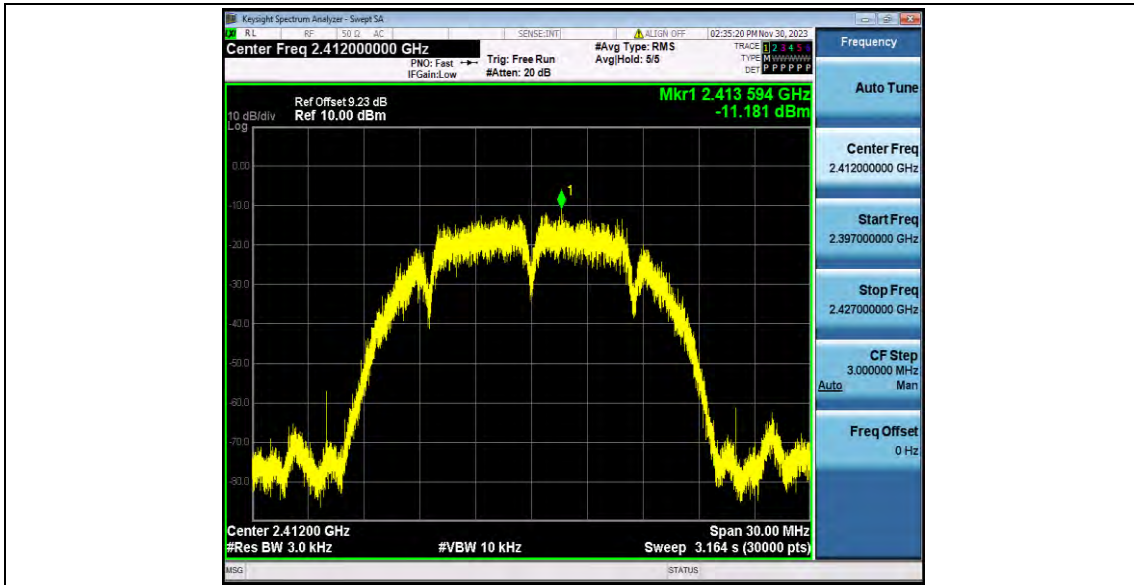


## Appendix C.4: Maximum power spectral density

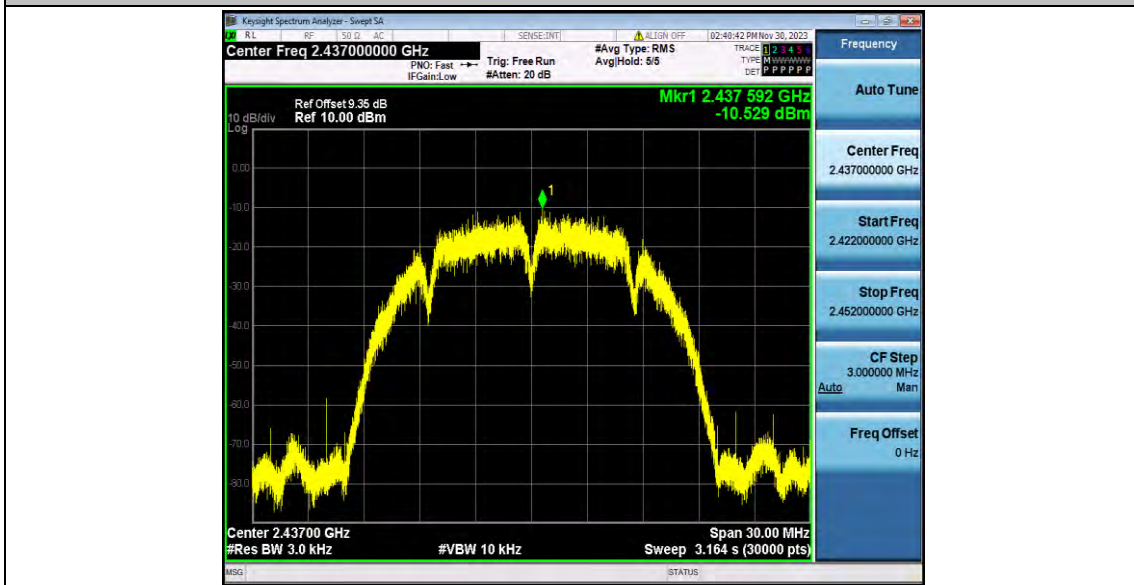
### Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-11.18	≤8.00	PASS
		2437	-10.53	≤8.00	PASS
		2462	-10.36	≤8.00	PASS
11G	Ant1	2412	-13.57	≤8.00	PASS
		2437	-11.98	≤8.00	PASS
		2462	-13.24	≤8.00	PASS
11N20SISO	Ant1	2412	-13.49	≤8.00	PASS
		2437	-13.17	≤8.00	PASS
		2462	-13.17	≤8.00	PASS
11N40SISO	Ant1	2422	-16.3	≤8.00	PASS
		2437	-15.44	≤8.00	PASS
		2452	-15.88	≤8.00	PASS

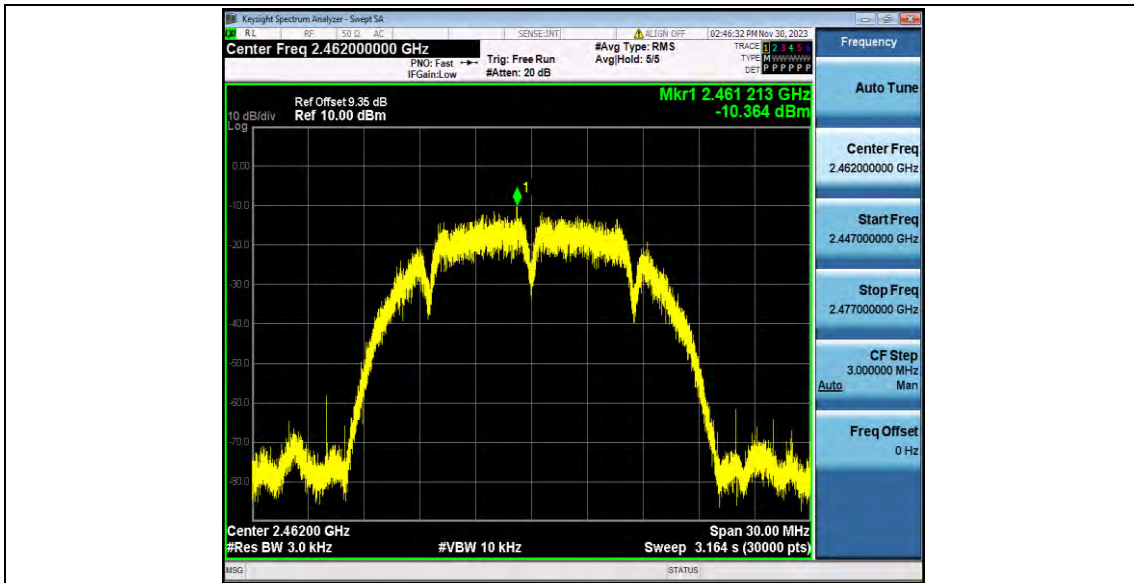
## Test Graphs



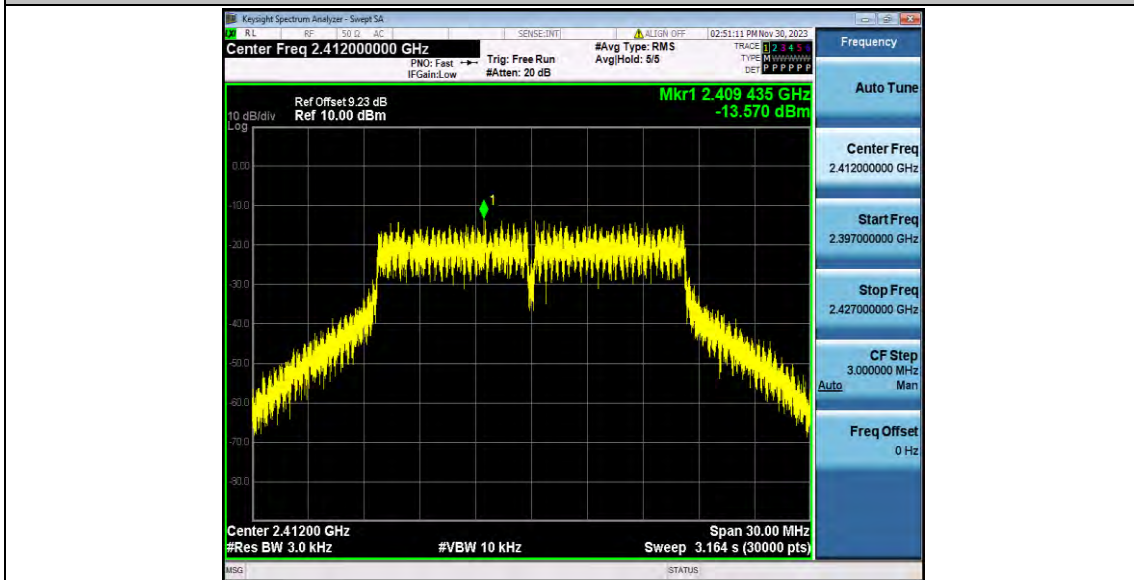
11B\_Ant1\_2412



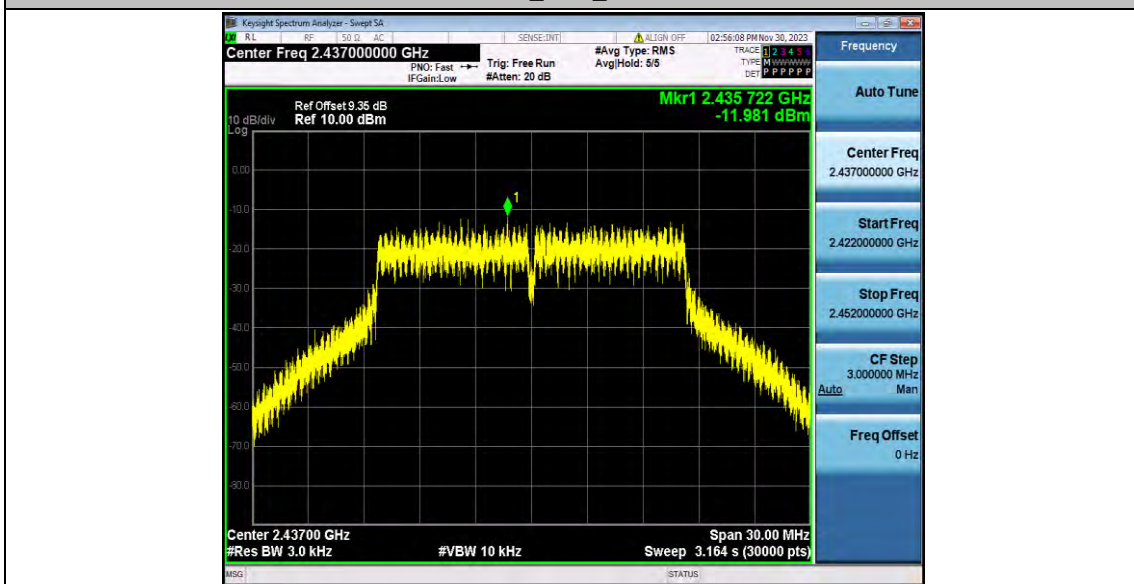
11B\_Ant1\_2437



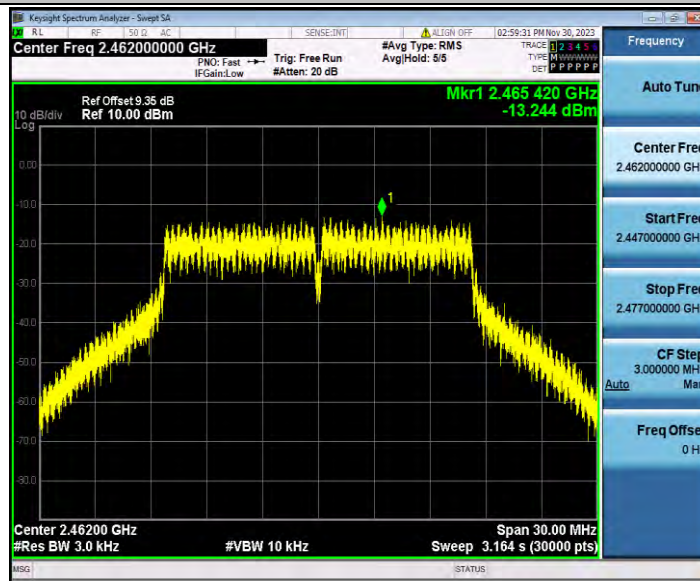
11B\_Ant1\_2462



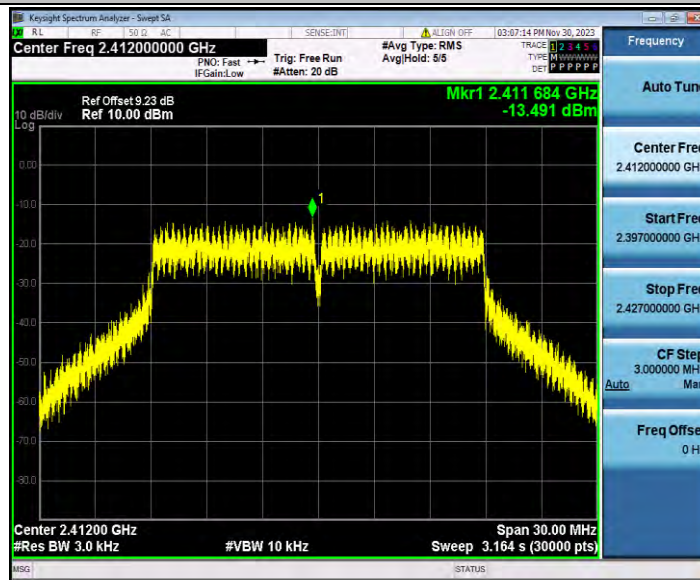
11G\_Ant1\_2412



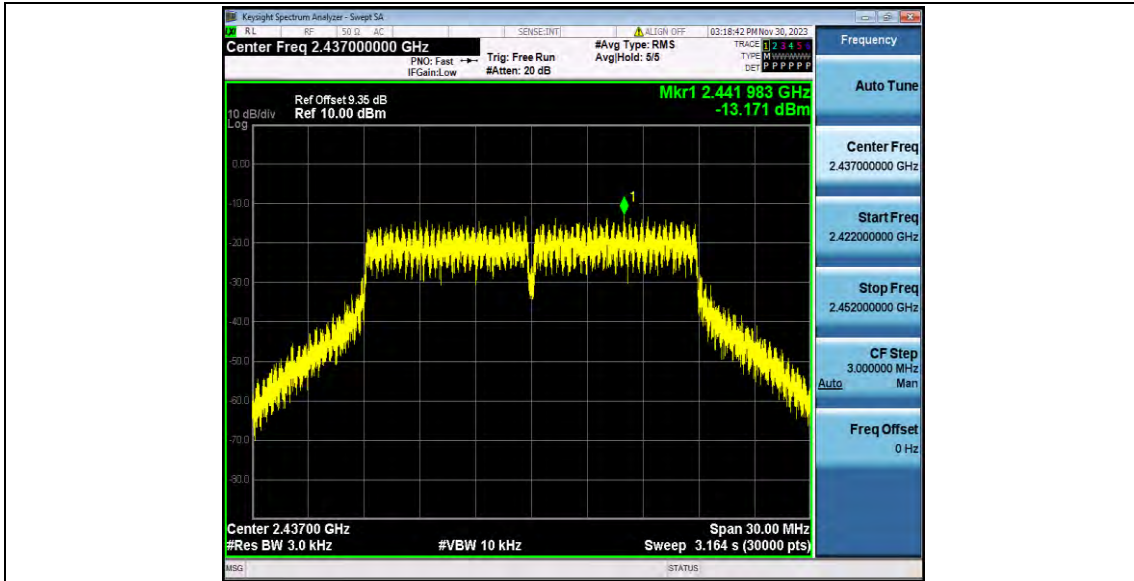
11G\_Ant1\_2437



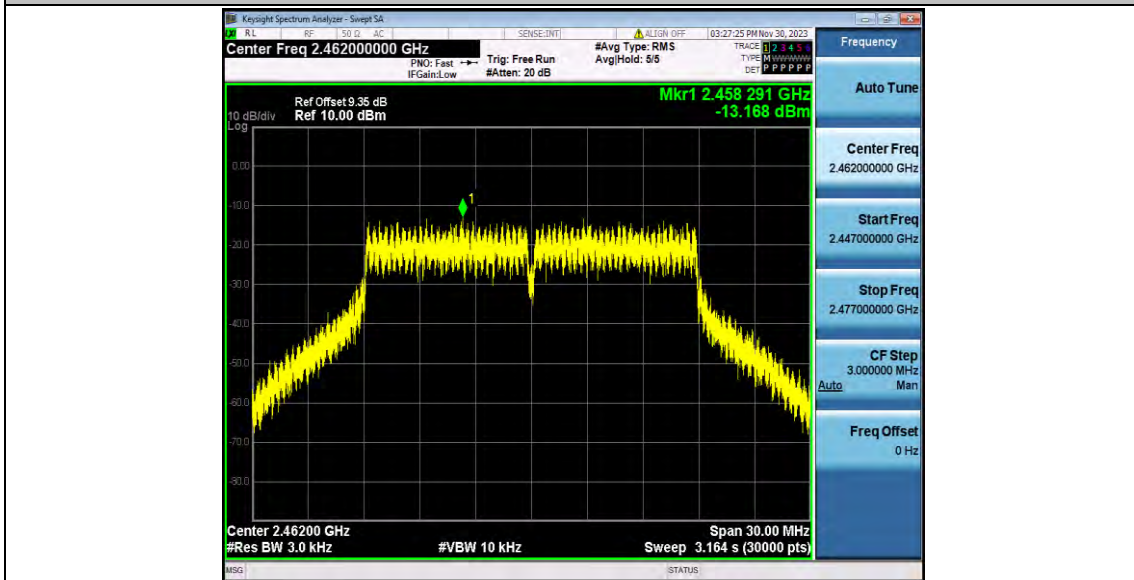
11G\_Ant1\_2462



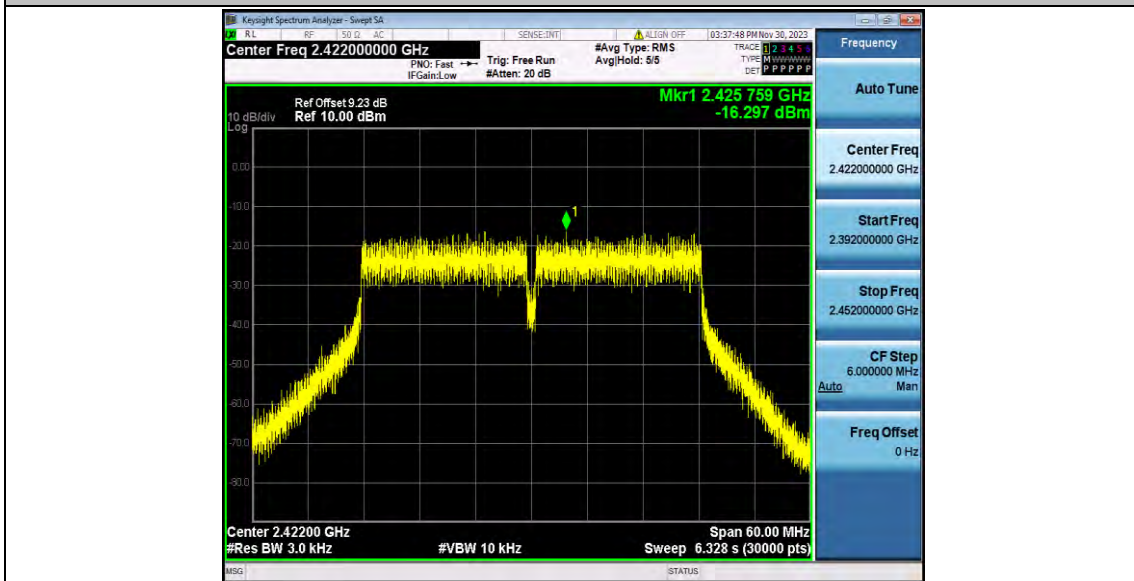
11N20SISO\_Ant1\_2412



11N20SISO\_Ant1\_2437

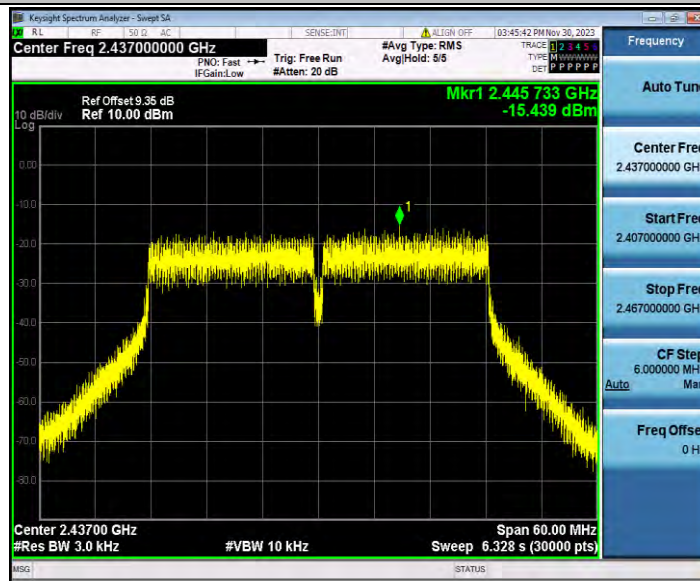


11N20SISO\_Ant1\_2462

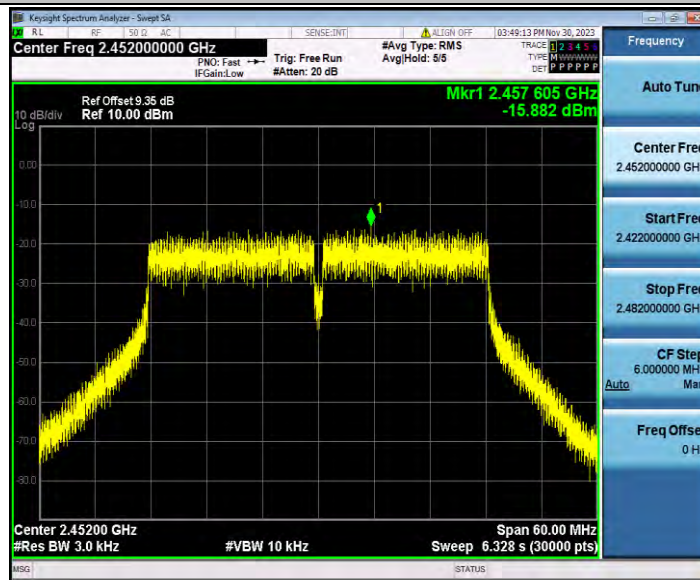




11N40SISO\_Ant1\_2422



11N40SISO\_Ant1\_2437



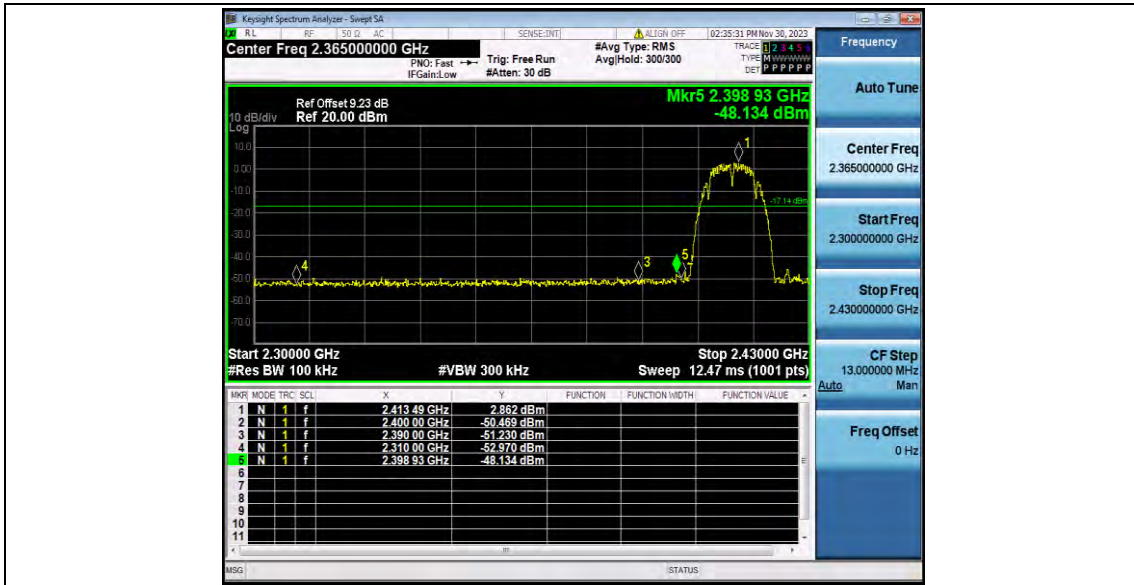
11N40SISO\_Ant1\_2452

## Appendix C.5: Band edge measurements

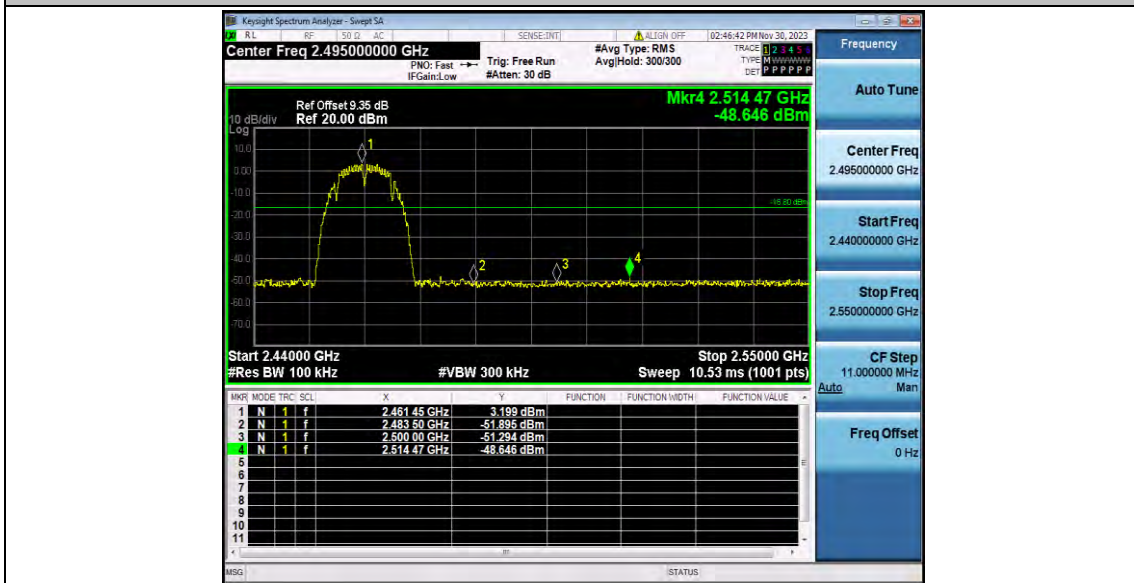
### Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.86	-48.13	$\leq -17.14$	PASS
		High	2462	3.20	-48.65	$\leq -16.8$	PASS
11G	Ant1	Low	2412	1.44	-28.1	$\leq -18.56$	PASS
		High	2462	2.14	-48.38	$\leq -17.86$	PASS
11N20SISO	Ant1	Low	2412	1.32	-27.41	$\leq -18.68$	PASS
		High	2462	2.14	-48.87	$\leq -17.86$	PASS
11N40SISO	Ant1	Low	2422	-2.01	-29.25	$\leq -22.01$	PASS
		High	2452	-1.08	-46.31	$\leq -21.08$	PASS

## Test Graphs



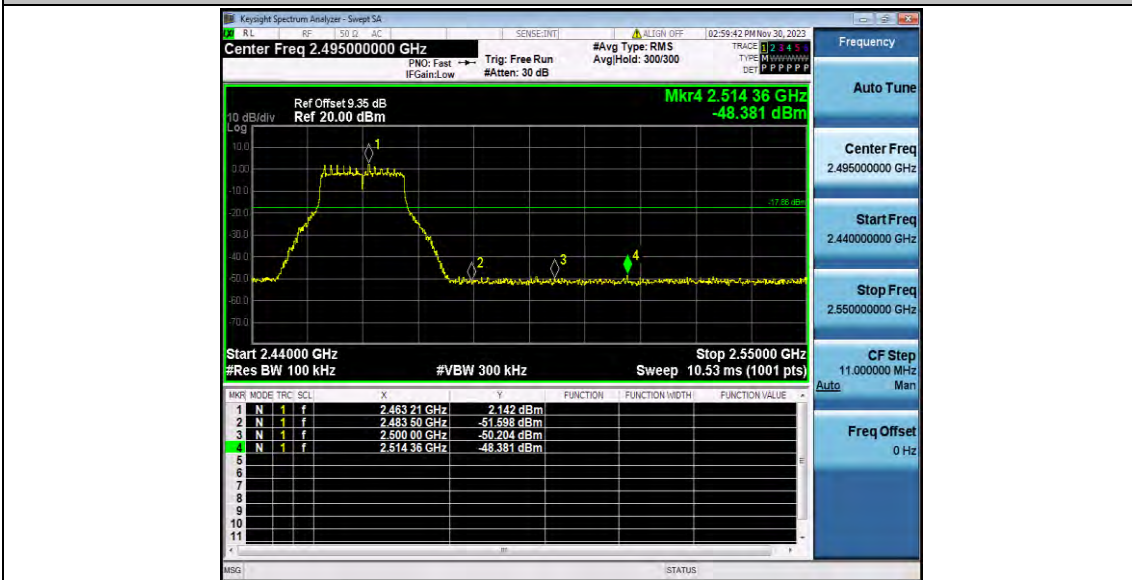
11B\_Ant1\_Low\_2412



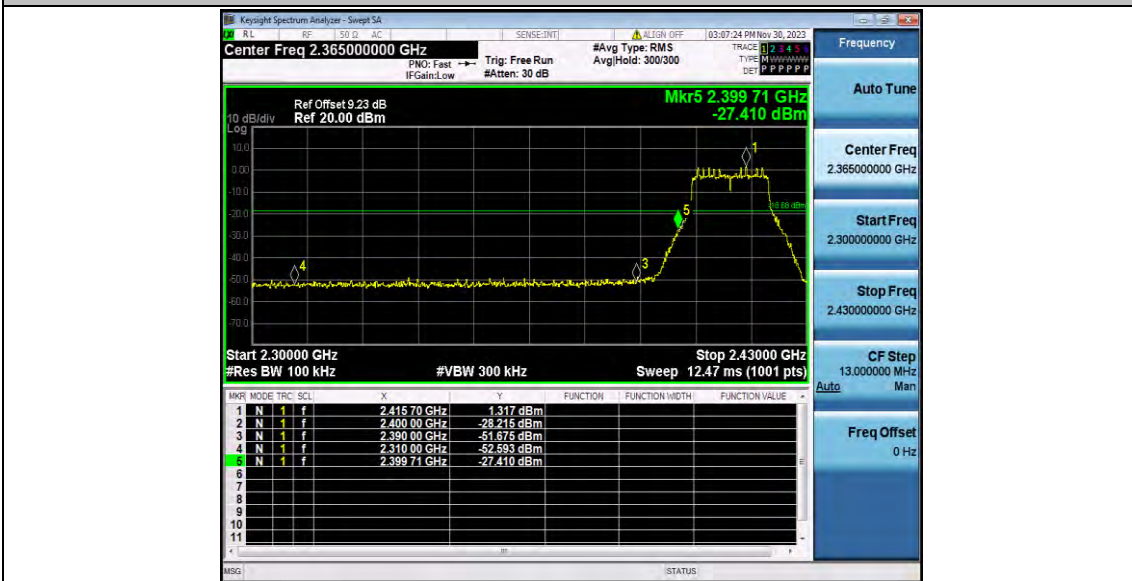
11B\_Ant1\_High\_2462



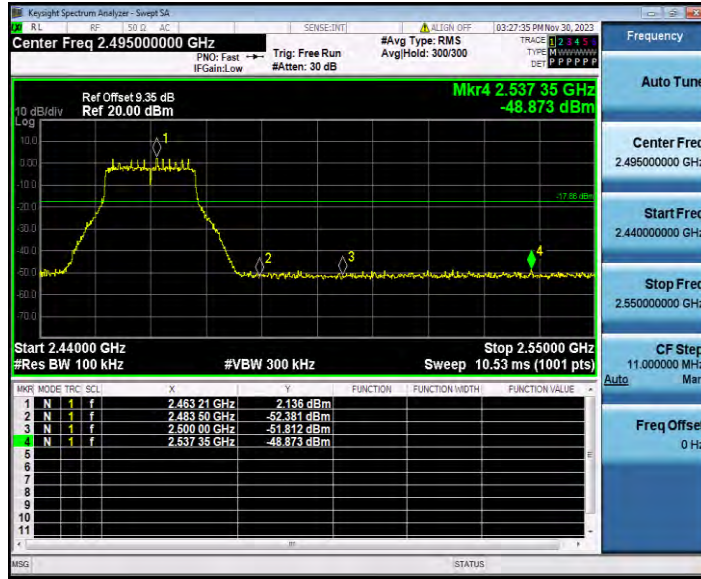
11G\_Ant1\_Low\_2412



11G\_Ant1\_High\_2462



11N20SISO\_Ant1\_Low\_2412



11N20SISO\_Ant1\_High\_2462



11N40SISO\_Ant1\_Low\_2422





11N40SISO\_Ant1\_High\_2452

## Appendix C.6: Conducted Spurious Emission

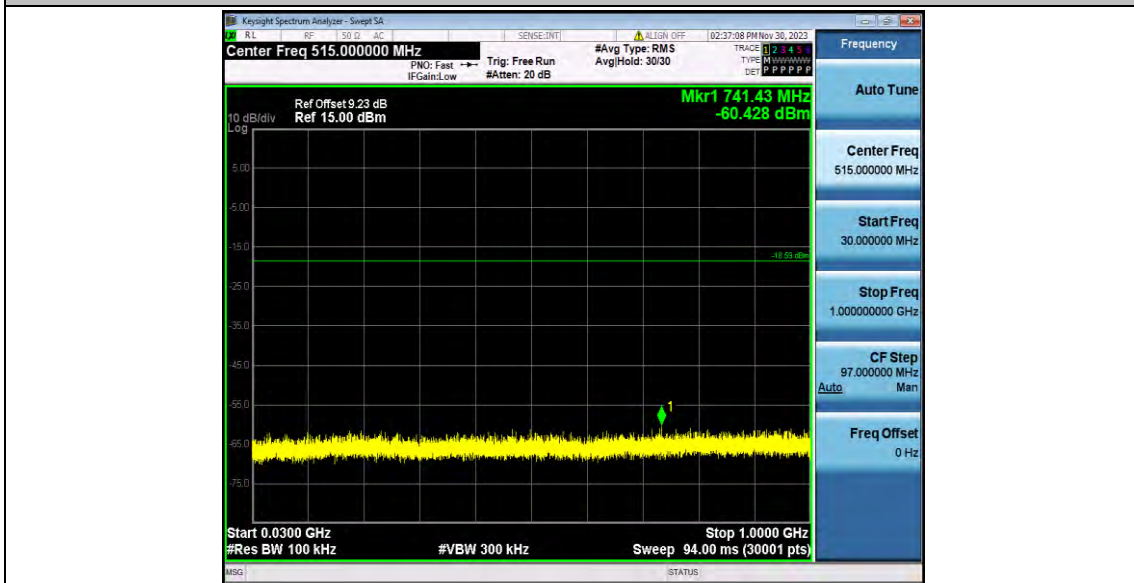
### Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	1.41	1.41	---	PASS
			30~1000	1.41	-60.43	≤-18.59	PASS
			1000~26500	1.41	-47.83	≤-18.59	PASS
		2437	Reference	1.95	1.95	---	PASS
			30~1000	1.95	-60.64	≤-18.05	PASS
			1000~26500	1.95	-47.18	≤-18.05	PASS
		2462	Reference	1.67	1.67	---	PASS
			30~1000	1.67	-59.93	≤-18.33	PASS
			1000~26500	1.67	-47.44	≤-18.33	PASS
11G	Ant1	2412	Reference	-1.92	-1.92	---	PASS
			30~1000	-1.92	-60.44	≤-21.92	PASS
			1000~26500	-1.92	-47.57	≤-21.92	PASS
		2437	Reference	0.92	0.92	---	PASS
			30~1000	0.92	-60.23	≤-19.08	PASS
			1000~26500	0.92	-47.33	≤-19.08	PASS
		2462	Reference	1.15	1.15	---	PASS
			30~1000	1.15	-59.75	≤-18.85	PASS
			1000~26500	1.15	-46.14	≤-18.85	PASS
11N20SISO	Ant1	2412	Reference	-1.46	-1.46	---	PASS
			30~1000	-1.46	-59.97	≤-21.46	PASS
			1000~26500	-1.46	-47.58	≤-21.46	PASS
		2437	Reference	-0.88	-0.88	---	PASS
			30~1000	-0.88	-59.13	≤-20.88	PASS
			1000~26500	-0.88	-47.1	≤-20.88	PASS
		2462	Reference	1.49	1.49	---	PASS
			30~1000	1.49	-60.87	≤-18.51	PASS
			1000~26500	1.49	-47.59	≤-18.51	PASS
11N40SISO	Ant1	2422	Reference	-3.46	-3.46	---	PASS
			30~1000	-3.46	-60.08	≤-23.46	PASS
			1000~26500	-3.46	-47.47	≤-23.46	PASS
		2437	Reference	-1.67	-1.67	---	PASS
			30~1000	-1.67	-60.64	≤-21.67	PASS
			1000~26500	-1.67	-46.94	≤-21.67	PASS
		2452	Reference	-1.47	-1.47	---	PASS
			30~1000	-1.47	-60.59	≤-21.47	PASS
			1000~26500	-1.47	-47.04	≤-21.47	PASS

## Test Graphs



11B\_Ant1\_2412\_0~Reference



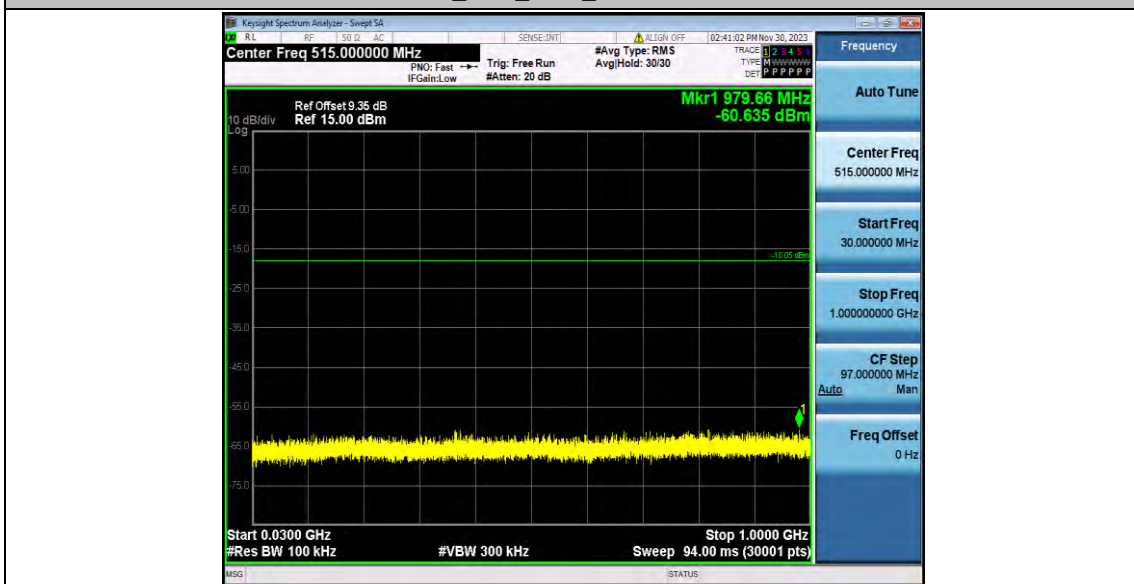
11B\_Ant1\_2412\_30~1000



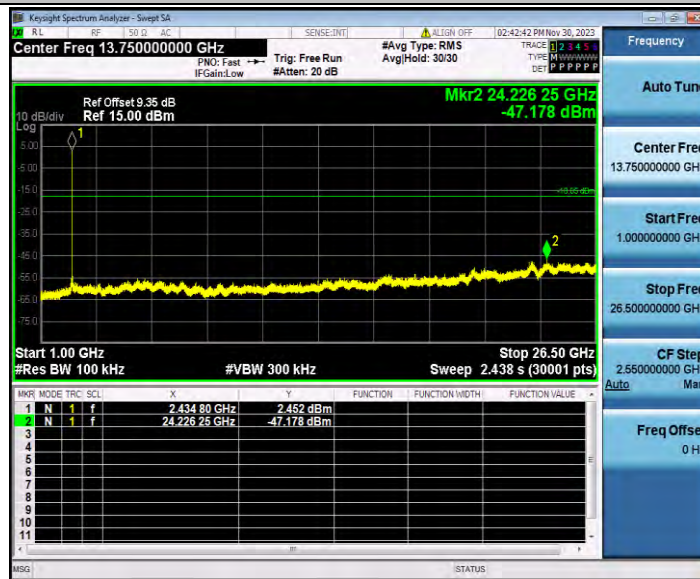
11B\_Ant1\_2412\_1000~26500



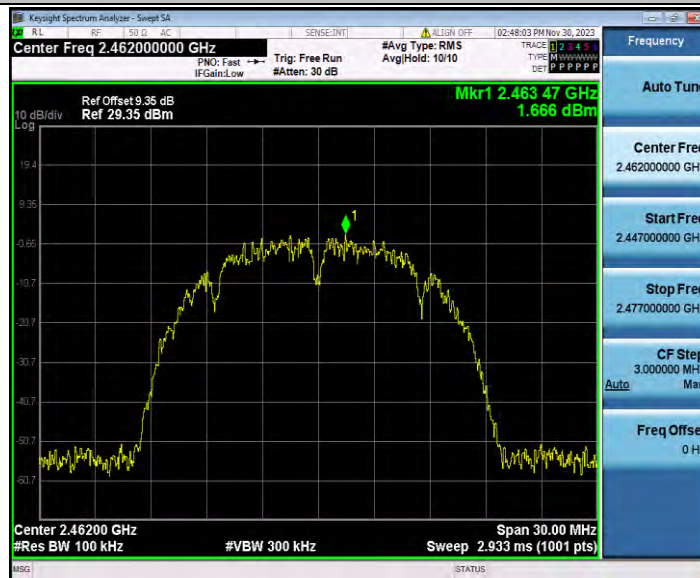
11B\_Ant1\_2437\_0~Reference



11B\_Ant1\_2437\_30~1000

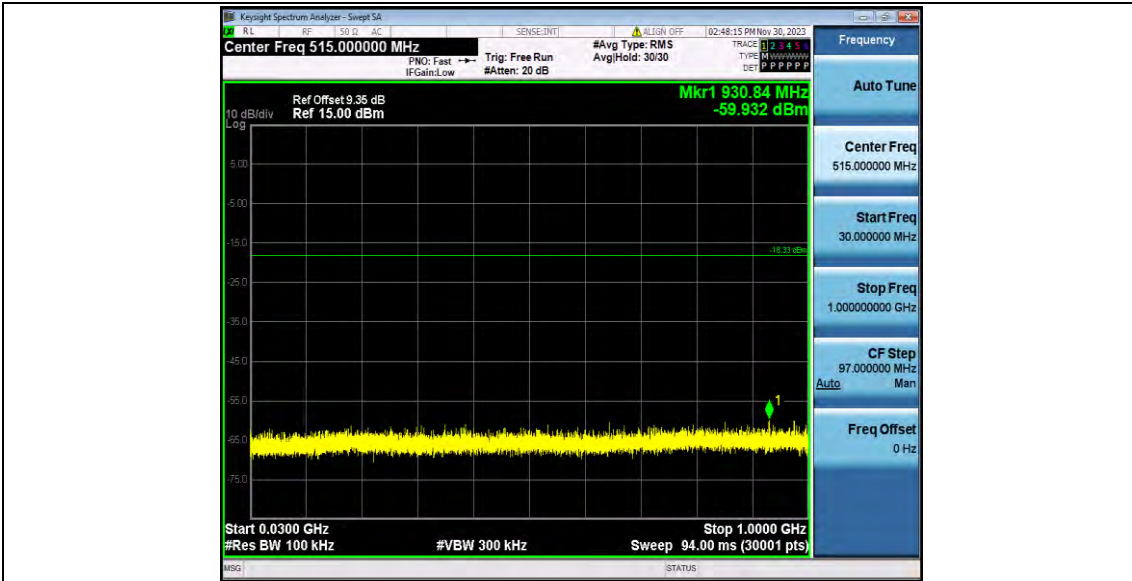


11B\_Ant1\_2437\_1000~26500

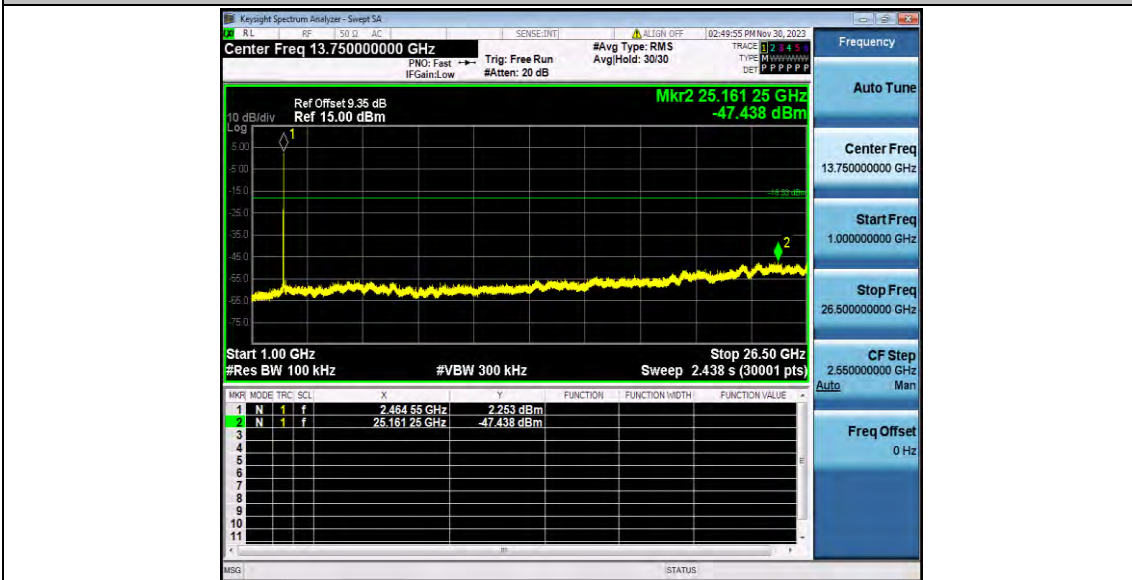


11B\_Ant1\_2462\_0~Reference

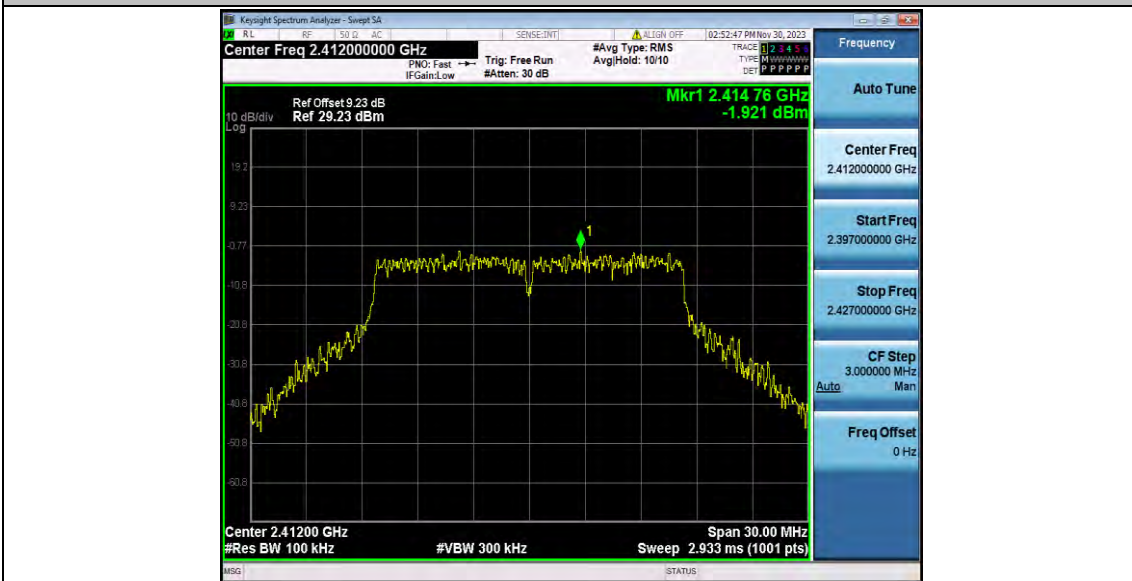




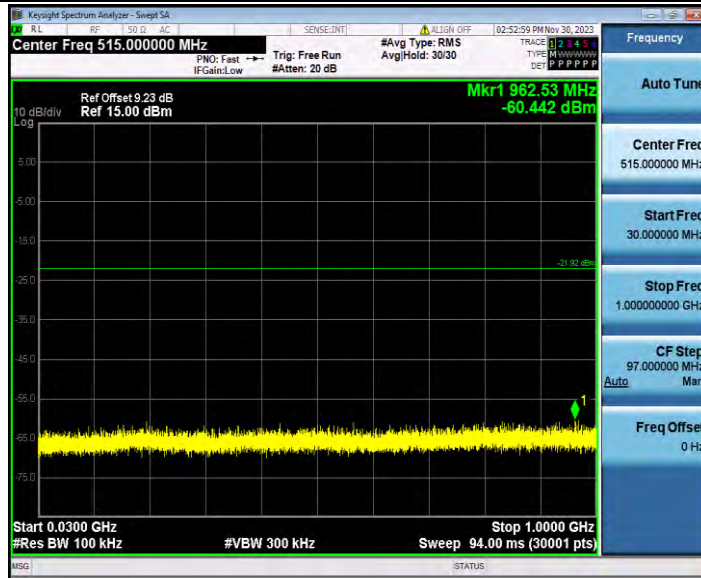
11B\_Ant1\_2462\_30~1000



11B\_Ant1\_2462\_1000~26500



11G\_Ant1\_2412\_0~Reference



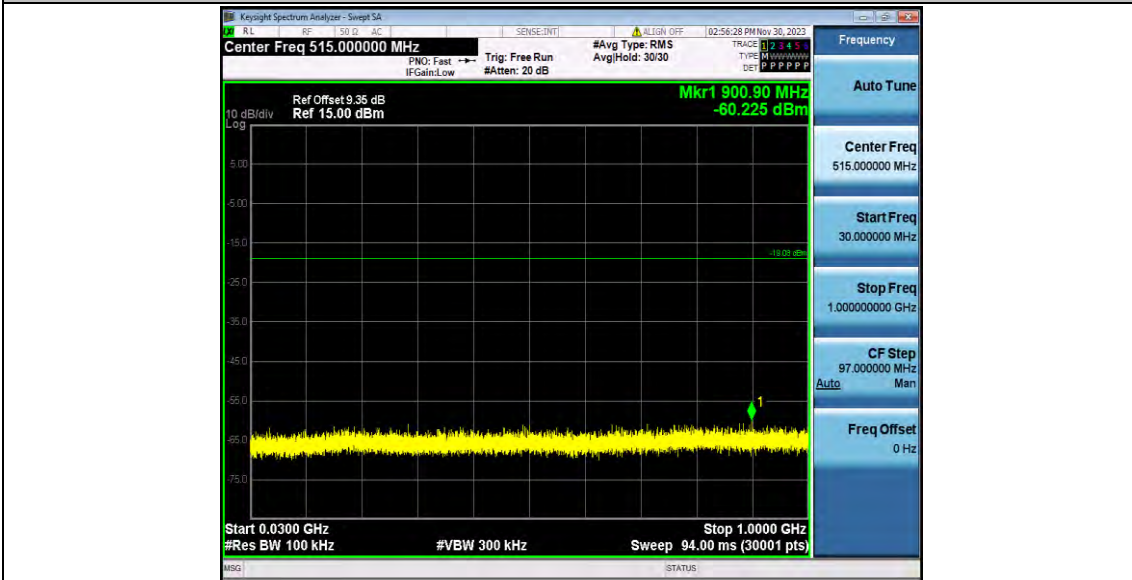
11G\_Ant1\_2412\_30~1000



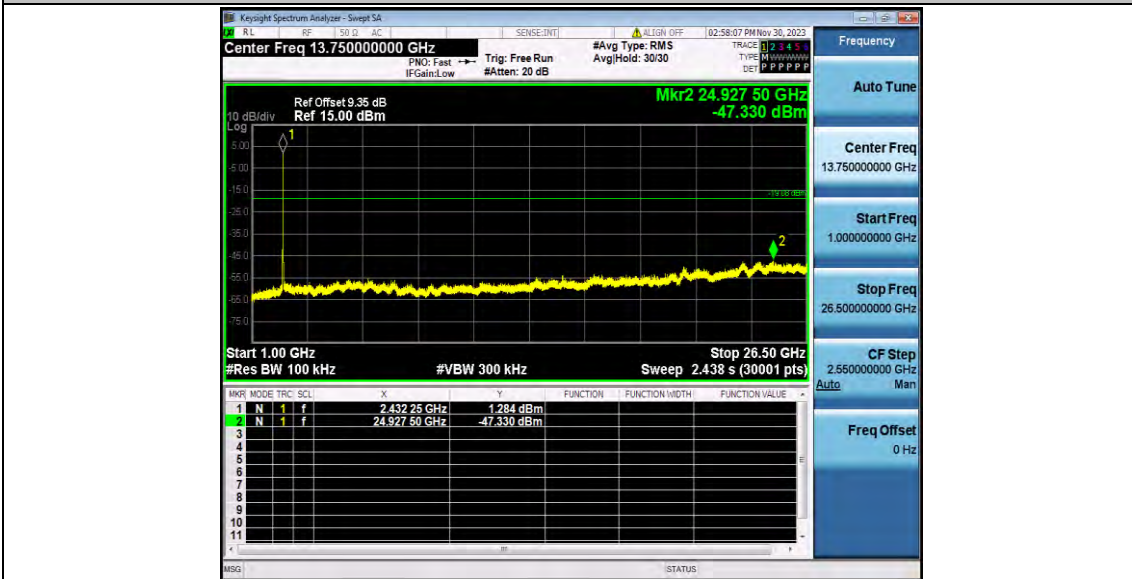
11G\_Ant1\_2412\_1000~26500



11G\_Ant1\_2437\_0~Reference



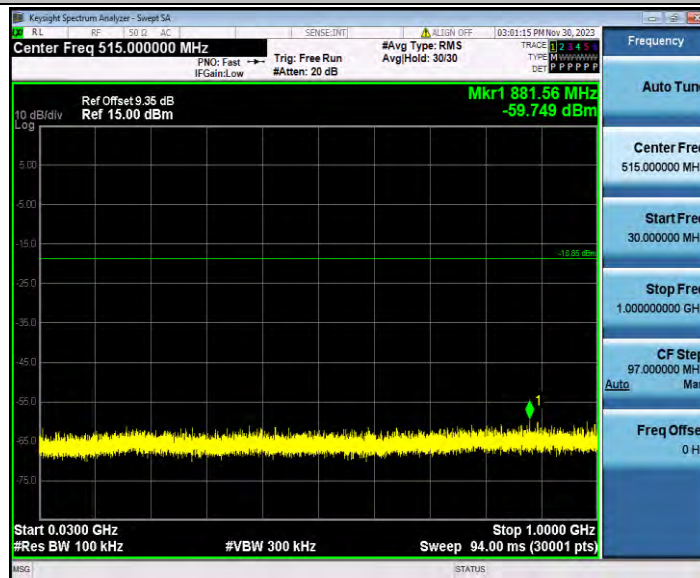
11G\_Ant1\_2437\_30~1000



11G\_Ant1\_2437\_1000~26500

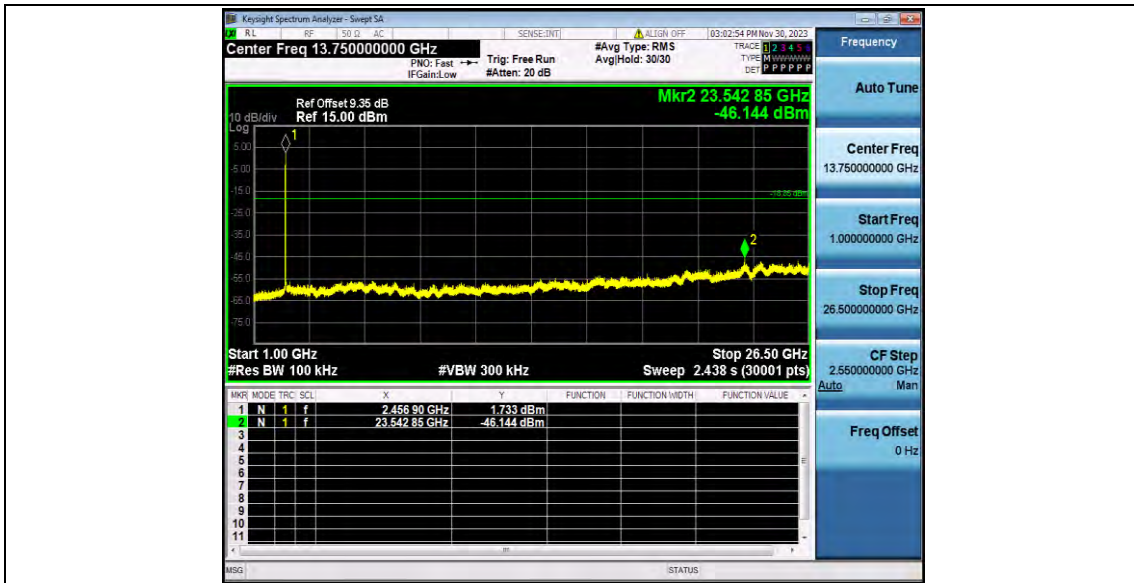


11G\_Ant1\_2462\_0~Reference

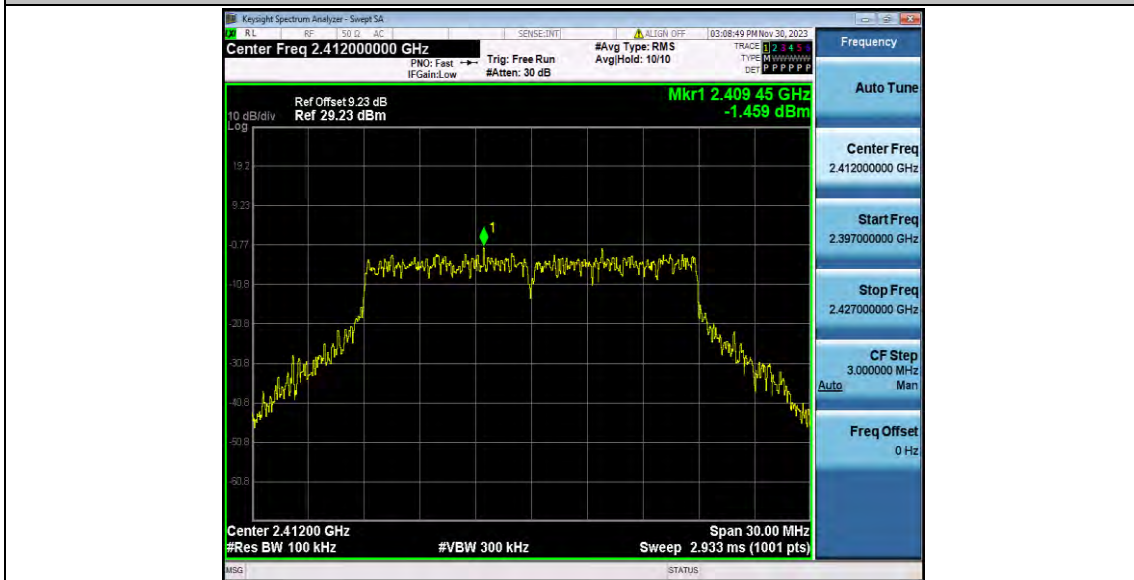


11G\_Ant1\_2462\_30~1000

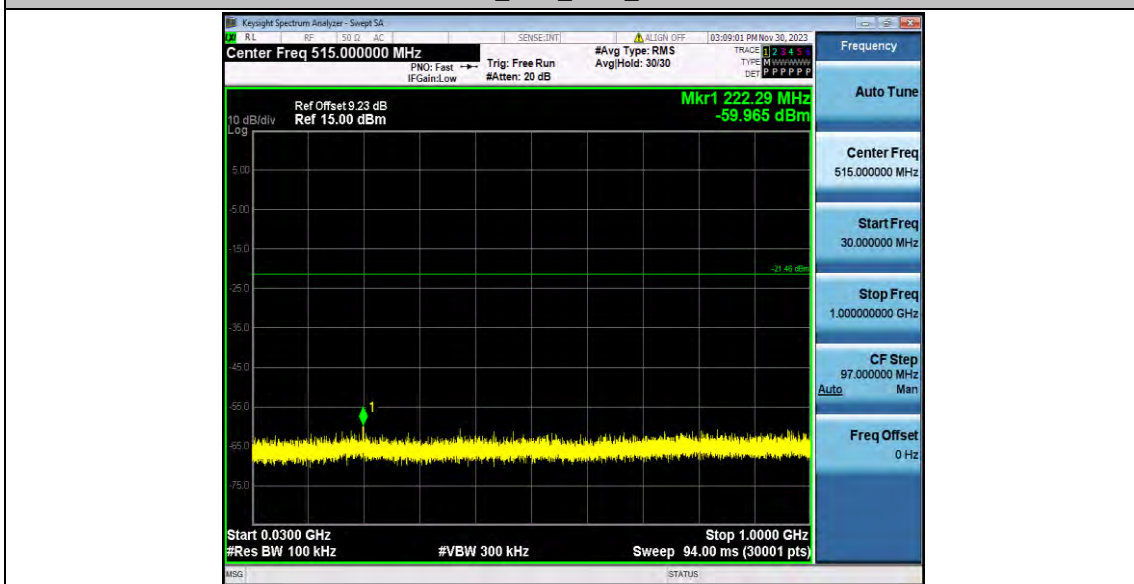




11G\_Ant1\_2462\_1000~26500

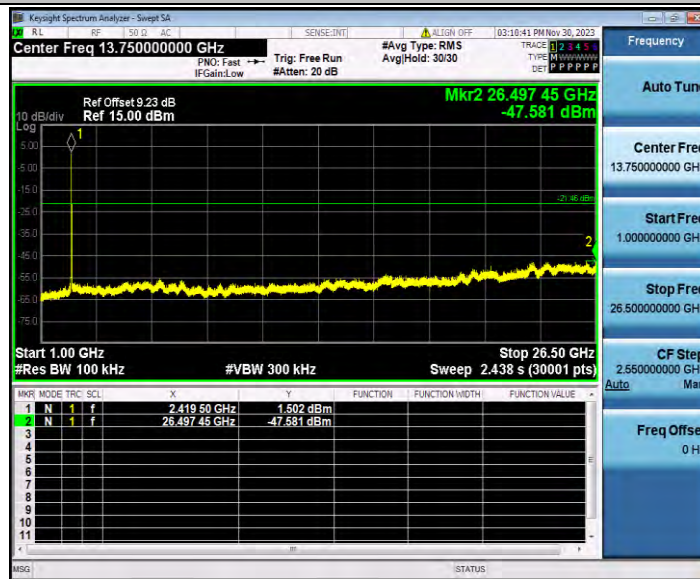


11N20SISO\_Ant1\_2412\_0~Reference





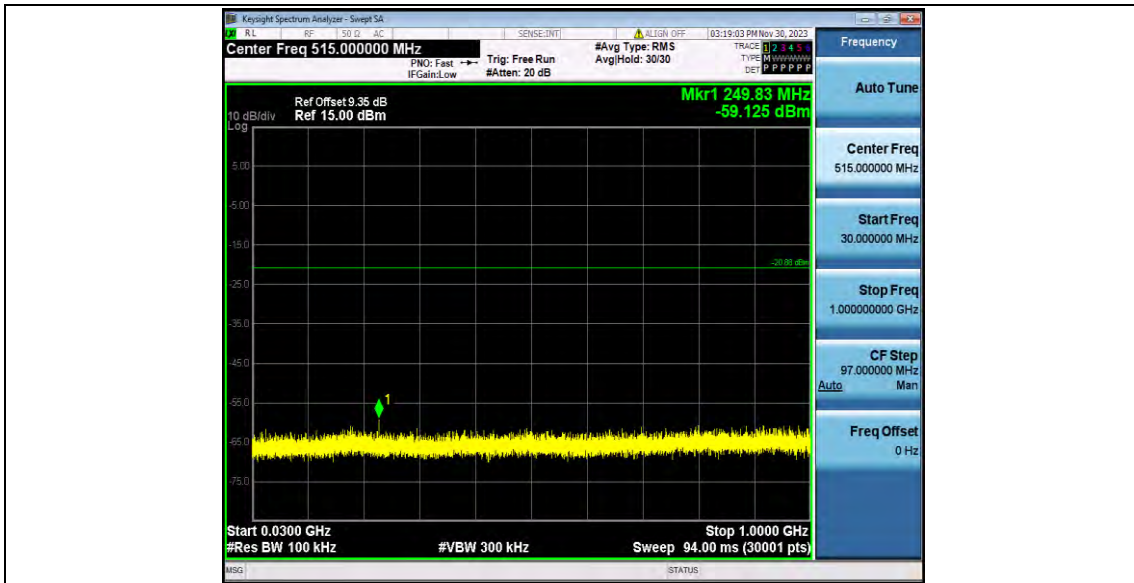
11N20SISO\_Ant1\_2412\_30~1000



11N20SISO\_Ant1\_2412\_1000~26500



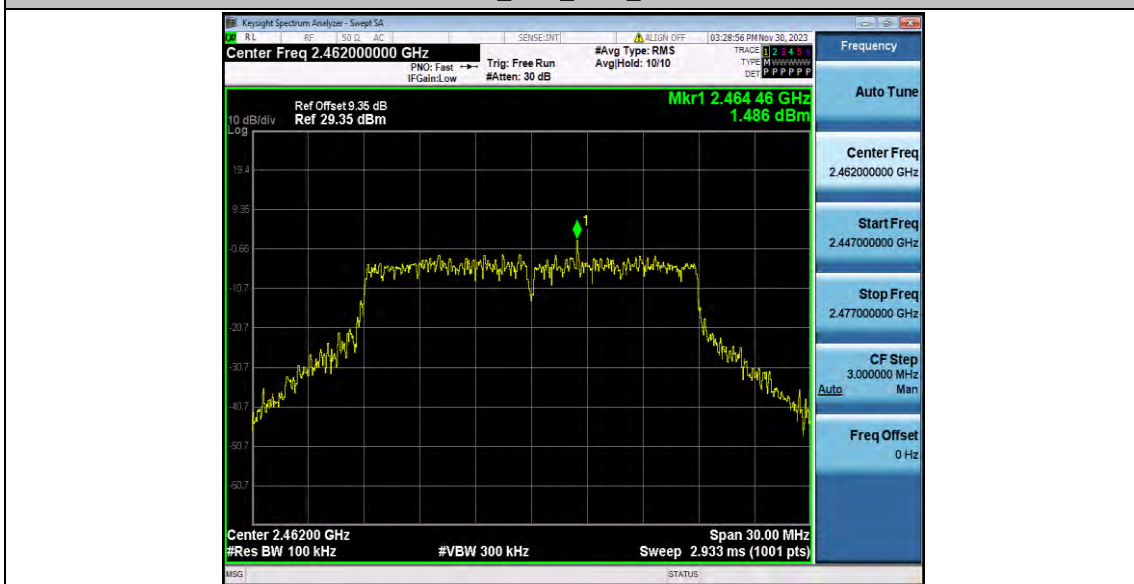
11N20SISO\_Ant1\_2437\_0~Reference



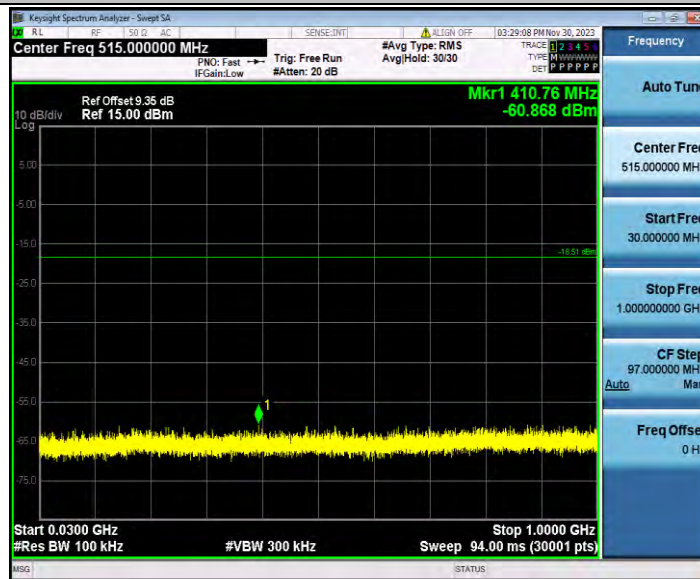
11N20SISO\_Ant1\_2437\_30~1000



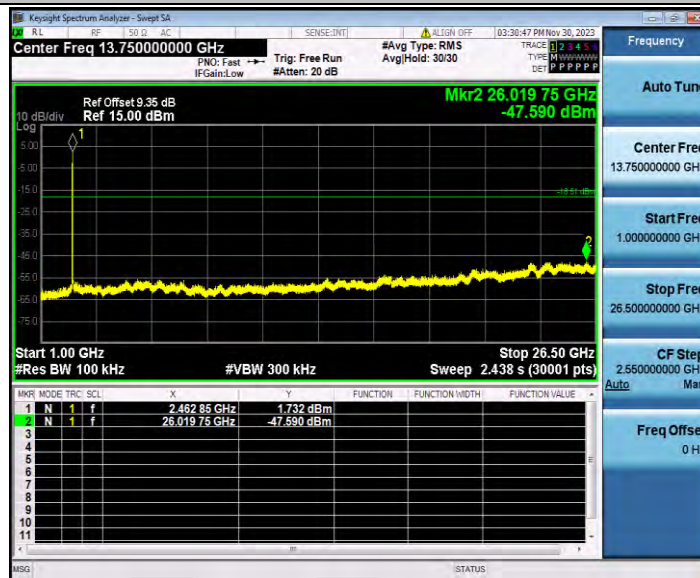
11N20SISO\_Ant1\_2437\_1000~26500



11N20SISO\_Ant1\_2462\_0~Reference



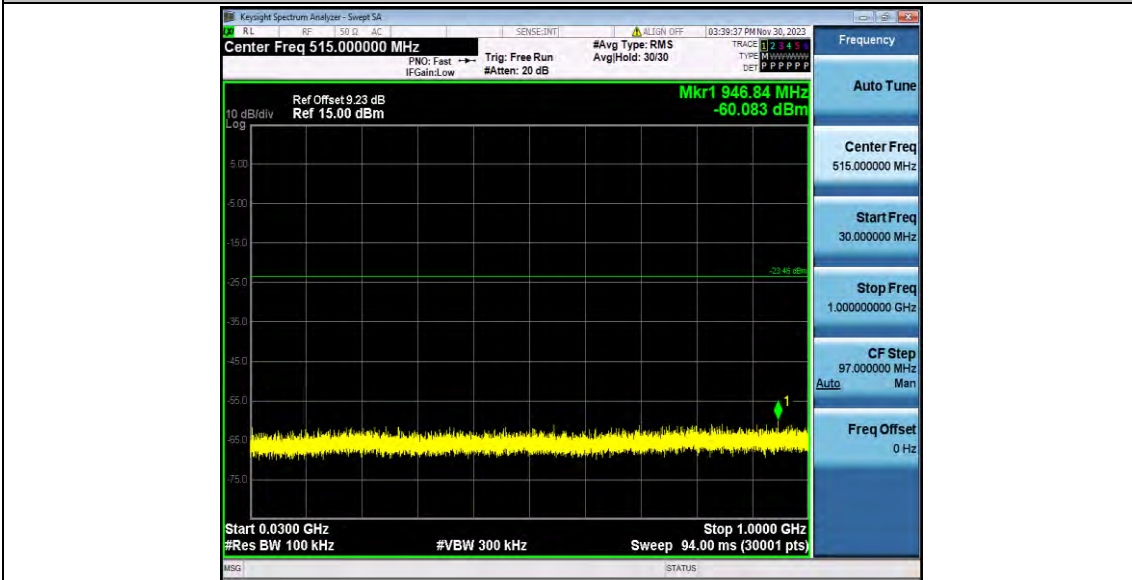
11N20SISO\_Ant1\_2462\_30~1000



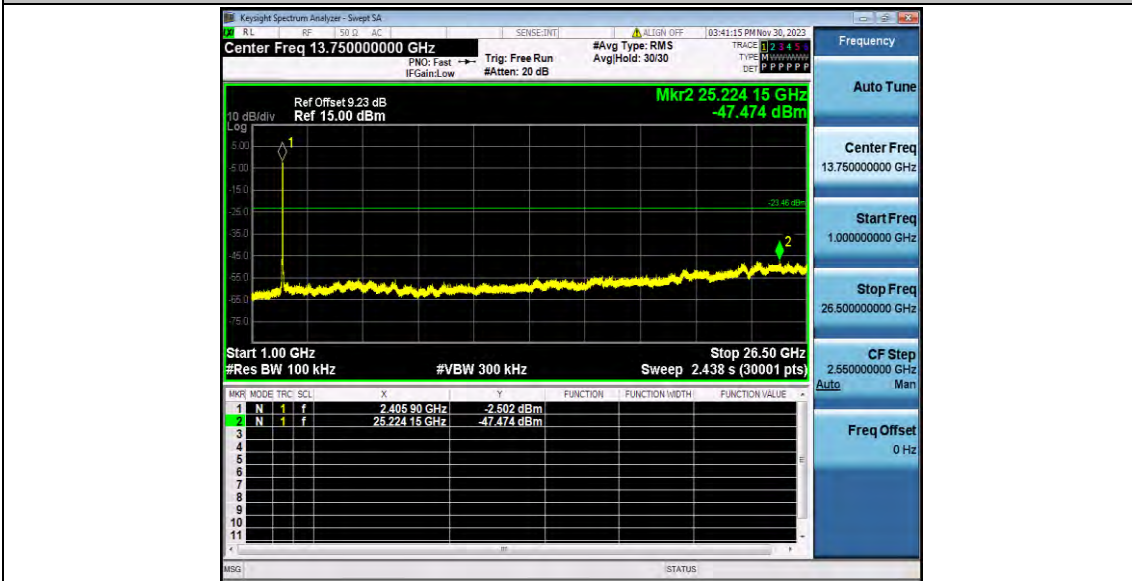
11N20SISO\_Ant1\_2462\_1000~26500



11N40SISO\_Ant1\_2422\_0~Reference

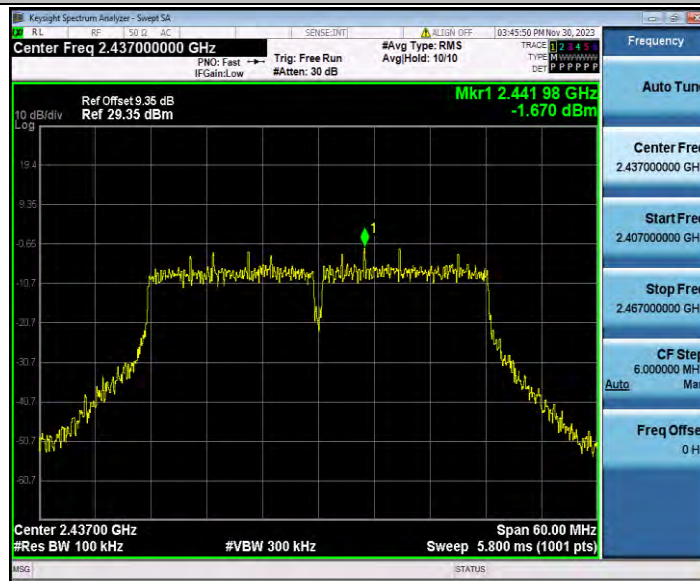


11N40SISO\_Ant1\_2422\_30~1000

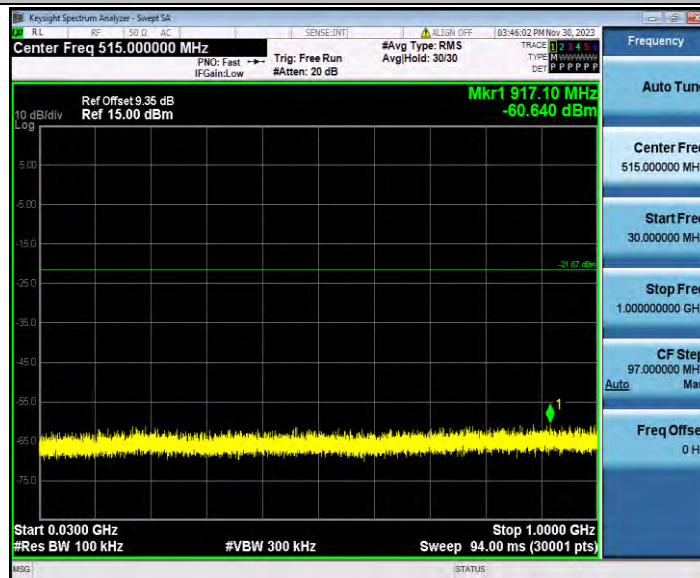




11N40SISO\_Ant1\_2422\_1000~26500

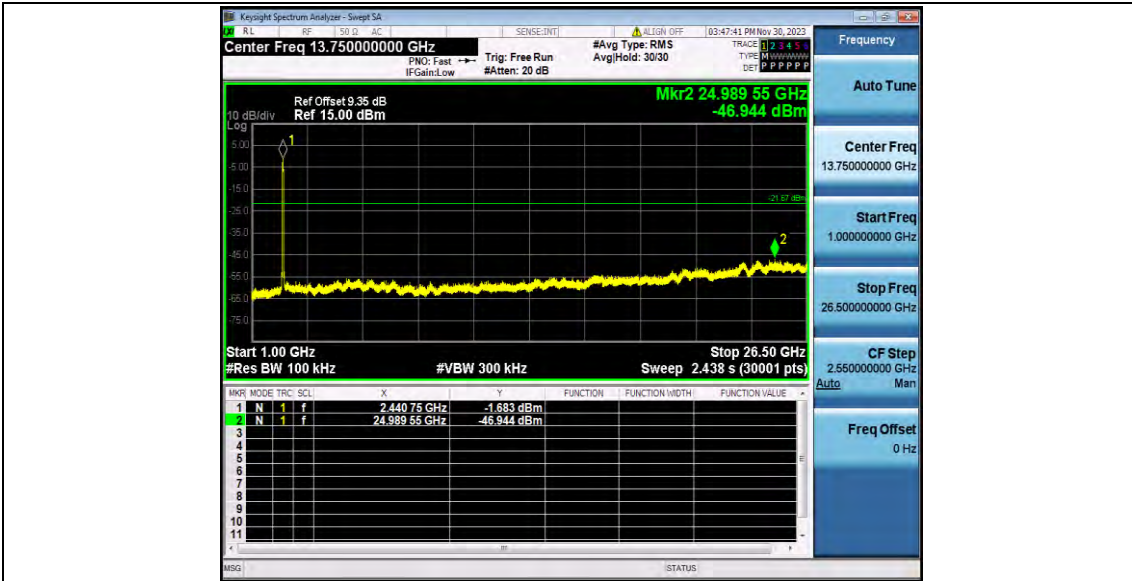


11N40SISO\_Ant1\_2437\_0~Reference



11N40SISO\_Ant1\_2437\_30~1000





11N40SISO\_Ant1\_2437\_1000~26500



11N40SISO\_Ant1\_2452\_0~Reference

