

<b>Case No. :</b> <u>GTS20230224006-1-3</u>
<b>Ambient Condition:</b> <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,
<b>Test Date:</b> <u>2023.3.17</u> <b>Test Engineer:</b> <u>Jenny zeng</u>

## Appendix C.1: DTS Bandwidth

### Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	9.560	2407.440	2417.000	0.5	PASS
		2437	9.080	2432.440	2441.520	0.5	PASS
		2462	9.640	2457.000	2466.640	0.5	PASS
11G	Ant2	2412	15.000	2404.520	2419.520	0.5	PASS
		2437	14.040	2430.720	2444.760	0.5	PASS
		2462	13.160	2456.360	2469.520	0.5	PASS
11N20SISO	Ant2	2412	14.720	2404.400	2419.120	0.5	PASS
		2437	12.600	2430.680	2443.280	0.5	PASS
		2462	15.080	2454.440	2469.520	0.5	PASS
11N40SISO	Ant2	2422	35.040	2404.480	2439.520	0.5	PASS
		2437	35.040	2419.480	2454.520	0.5	PASS
		2452	35.120	2434.400	2469.520	0.5	PASS

## Test Graphs

11B\_Ant2\_2412



11B\_Ant2\_2437



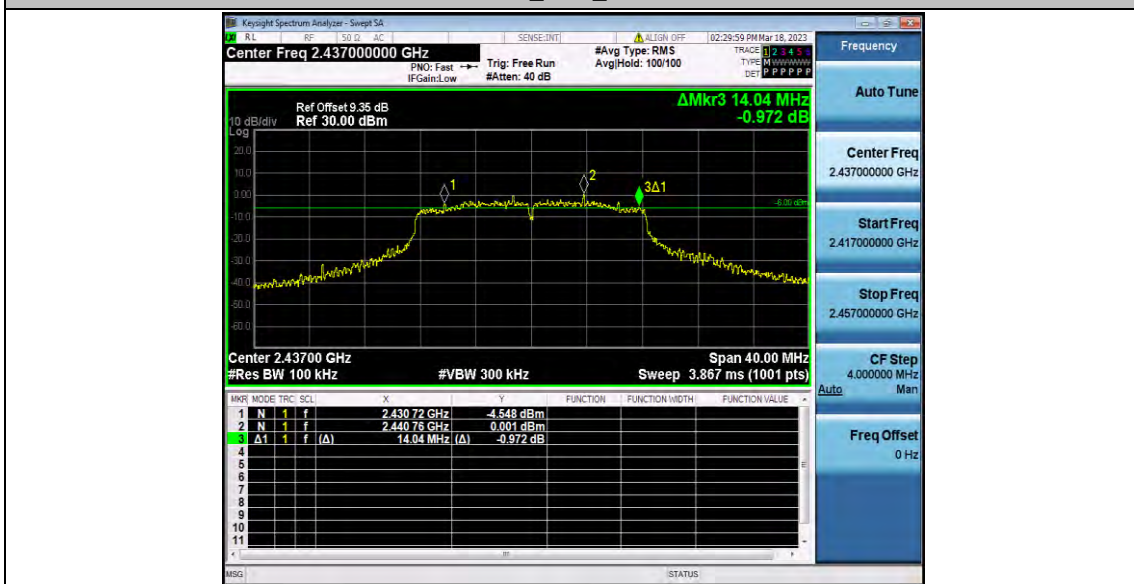
11B\_Ant2\_2462



11G\_Ant2\_2412



11G\_Ant2\_2437



11G\_Ant2\_2462



11N20SISO\_Ant2\_2412



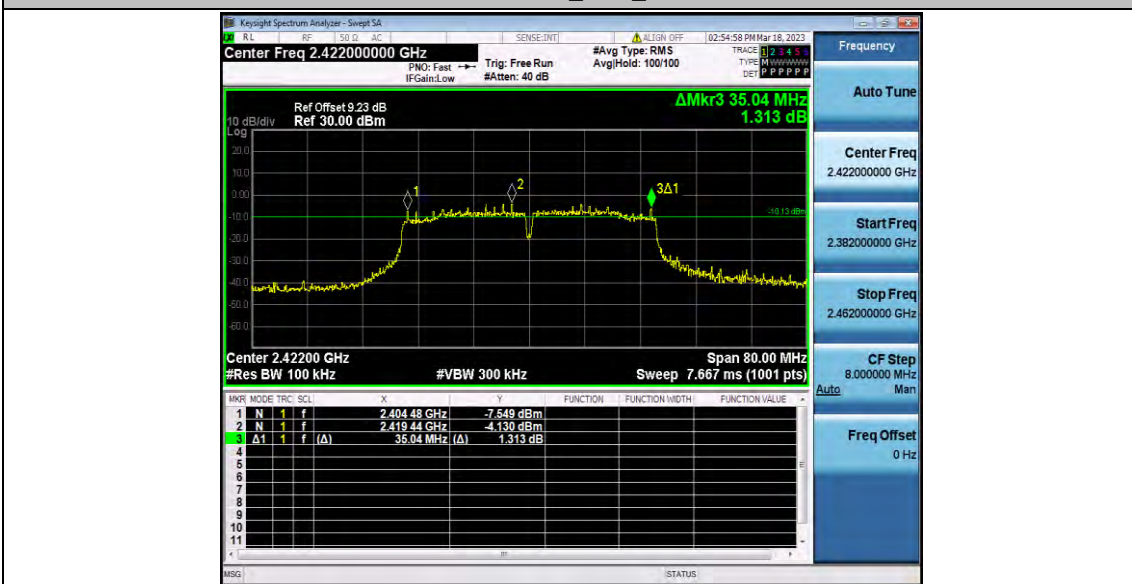
11N20SISO\_Ant2\_2437



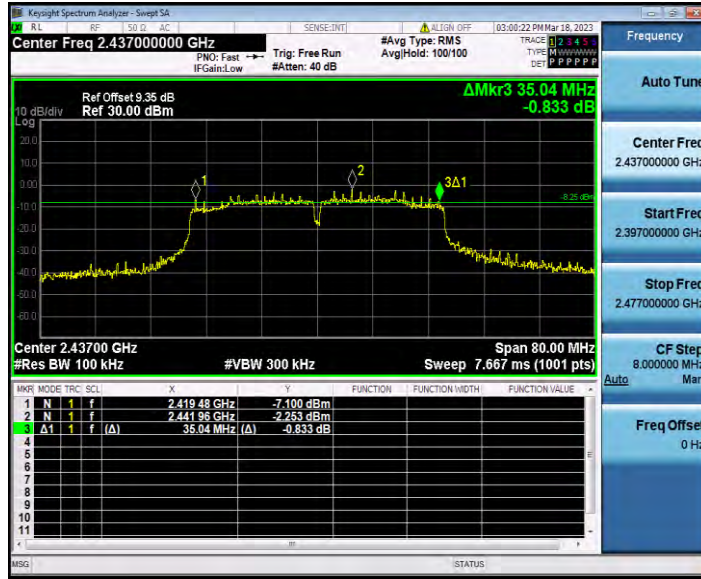
11N20SISO\_Ant2\_2462



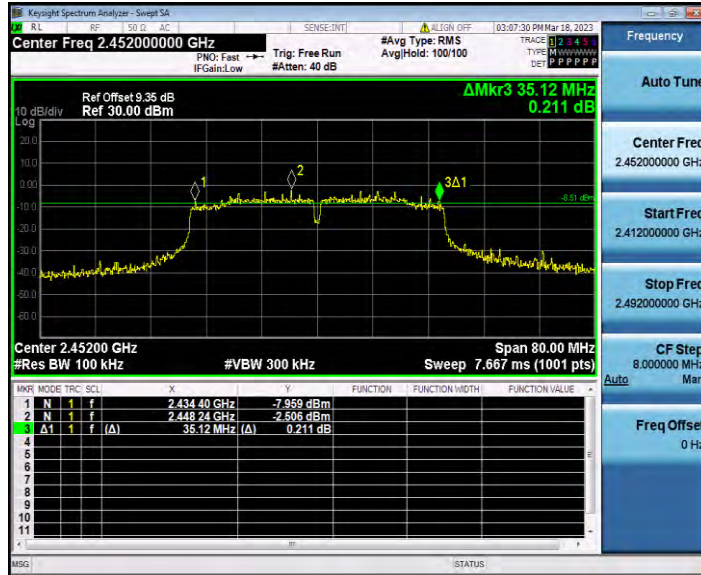
11N40SISO\_Ant2\_2422



11N40SISO\_Ant2\_2437



11N40SISO\_Ant2\_2452

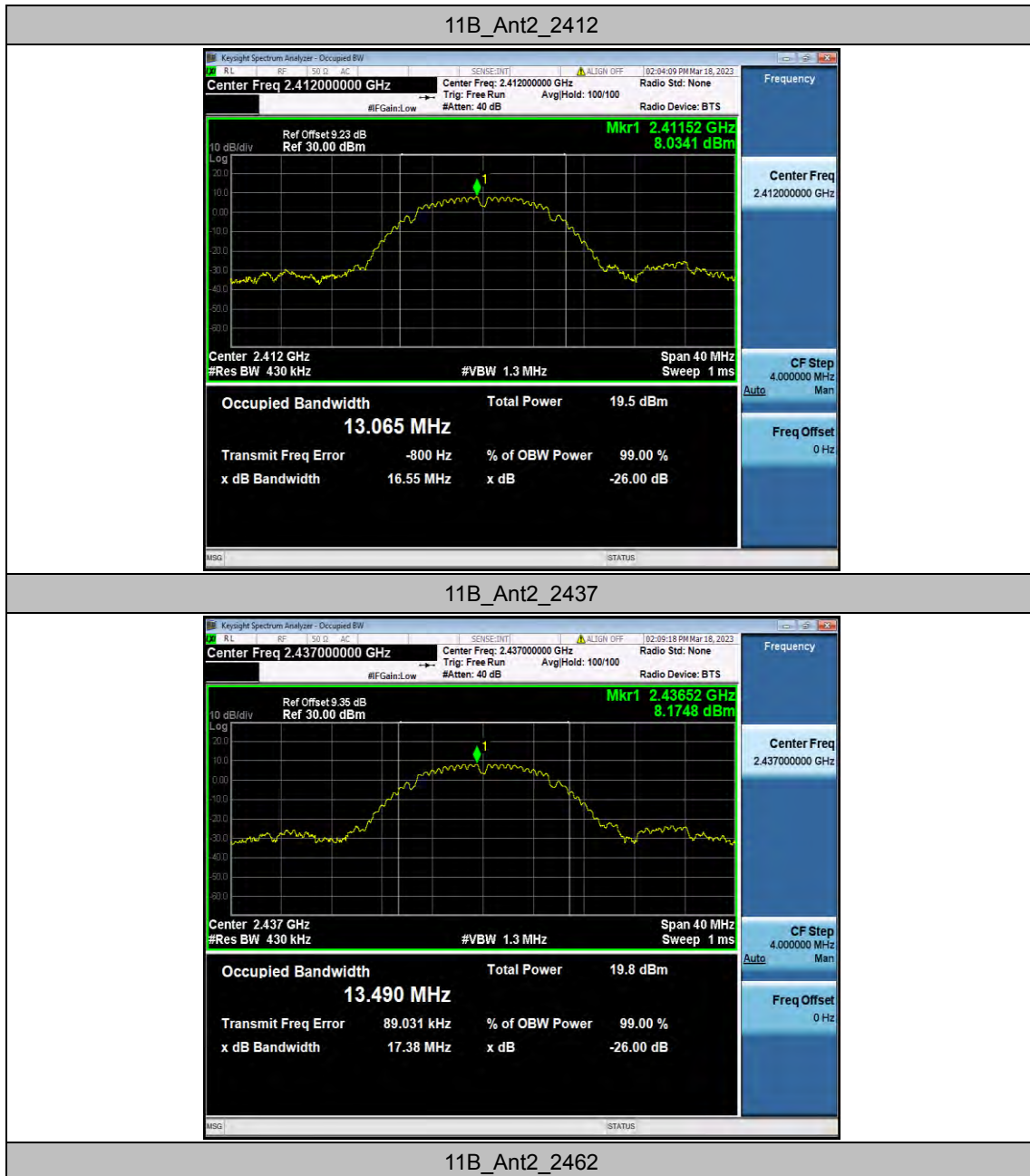


## Appendix C.2: Occupied Channel Bandwidth

### Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	13.065	2405.467	2418.532	---	---
		2437	13.490	2430.344	2443.834	---	---
		2462	13.037	2455.522	2468.559	---	---
11G	Ant2	2412	16.768	2403.630	2420.398	---	---
		2437	16.815	2428.677	2445.492	---	---
		2462	16.850	2453.582	2470.432	---	---
11N20SISO	Ant2	2412	17.925	2403.060	2420.985	---	---
		2437	17.990	2428.089	2446.079	---	---
		2462	18.102	2452.968	2471.070	---	---
11N40SISO	Ant2	2422	36.330	2403.961	2440.291	---	---
		2437	36.310	2419.009	2455.319	---	---
		2452	36.225	2433.969	2470.194	---	---

## Test Graphs







11G\_Ant2\_2412



11G\_Ant2\_2437



11G\_Ant2\_2462



11N20SISO\_Ant2\_2412



11N20SISO\_Ant2\_2437



11N20SISO\_Ant2\_2462



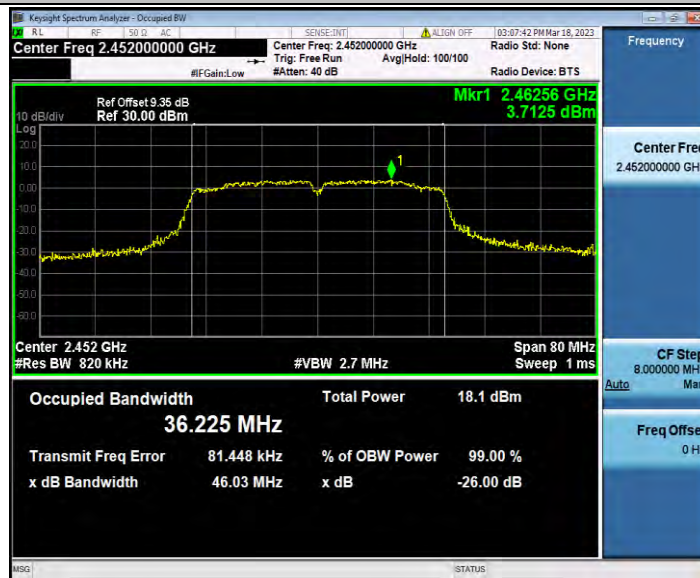
11N40SISO\_Ant2\_2422



11N40SISO\_Ant2\_2437



11N40SISO\_Ant2\_2452



## Appendix C.3: Maximum conducted output power

### Test Result Peak

TestMode	Antenna	Frequency[M Hz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant2	2412	19.52	≤30.00	PASS
		2437	19.89	≤30.00	PASS
		2462	19.01	≤30.00	PASS
11G	Ant2	2412	16.86	≤30.00	PASS
		2437	18.01	≤30.00	PASS
		2462	18.77	≤30.00	PASS
11N20SISO	Ant2	2412	16.72	≤30.00	PASS
		2437	17.91	≤30.00	PASS
		2462	18.70	≤30.00	PASS
11N40SISO	Ant2	2422	17.01	≤30.00	PASS
		2437	17.76	≤30.00	PASS
		2452	18.34	≤30.00	PASS

## Appendix C.4: Maximum power spectral density

### Test Result

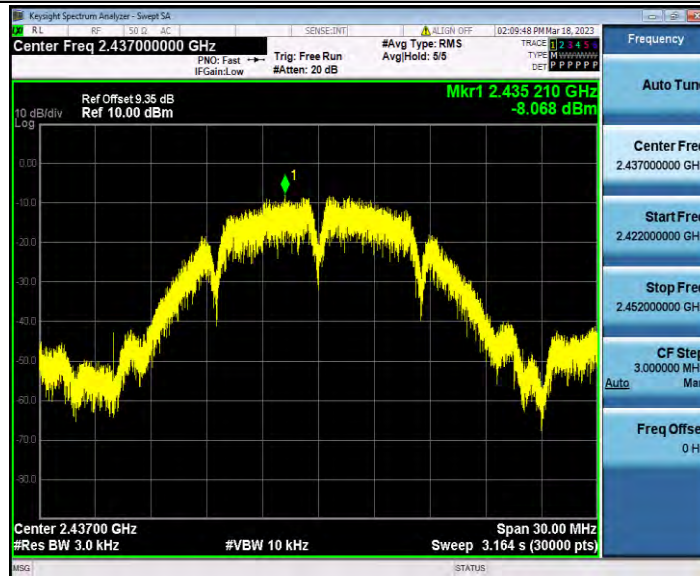
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant2	2412	-8.04	≤8.00	PASS
		2437	-8.07	≤8.00	PASS
		2462	-8.06	≤8.00	PASS
11G	Ant2	2412	-15.3	≤8.00	PASS
		2437	-14.68	≤8.00	PASS
		2462	-12.7	≤8.00	PASS
11N20SISO	Ant2	2412	-15.47	≤8.00	PASS
		2437	-12.49	≤8.00	PASS
		2462	-13.74	≤8.00	PASS
11N40SISO	Ant2	2422	-17.2	≤8.00	PASS
		2437	-15.8	≤8.00	PASS
		2452	-16.2	≤8.00	PASS

## Test Graphs

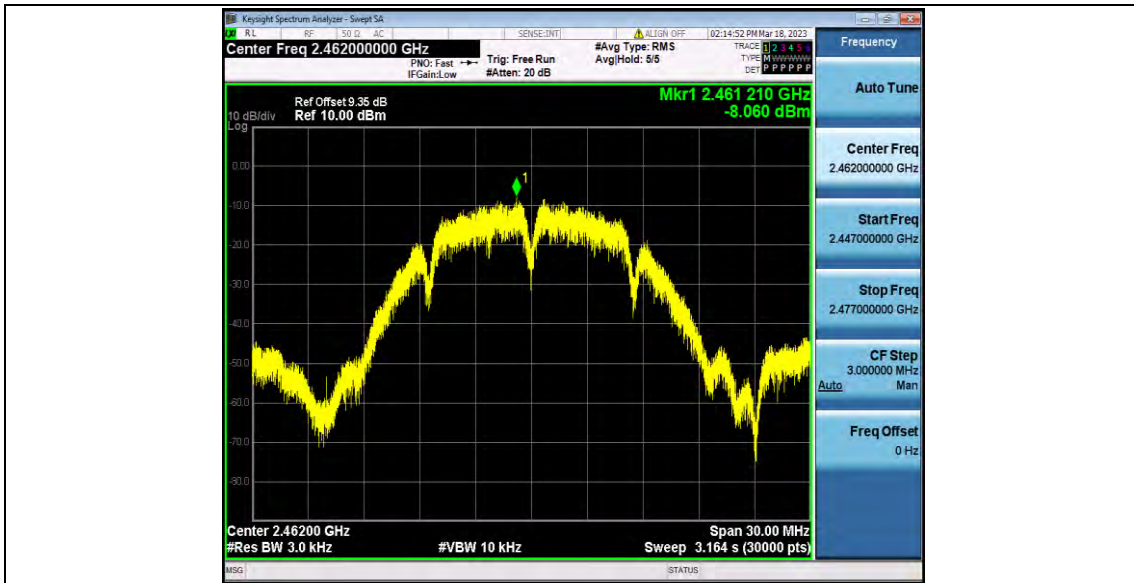
11B\_Ant2\_2412



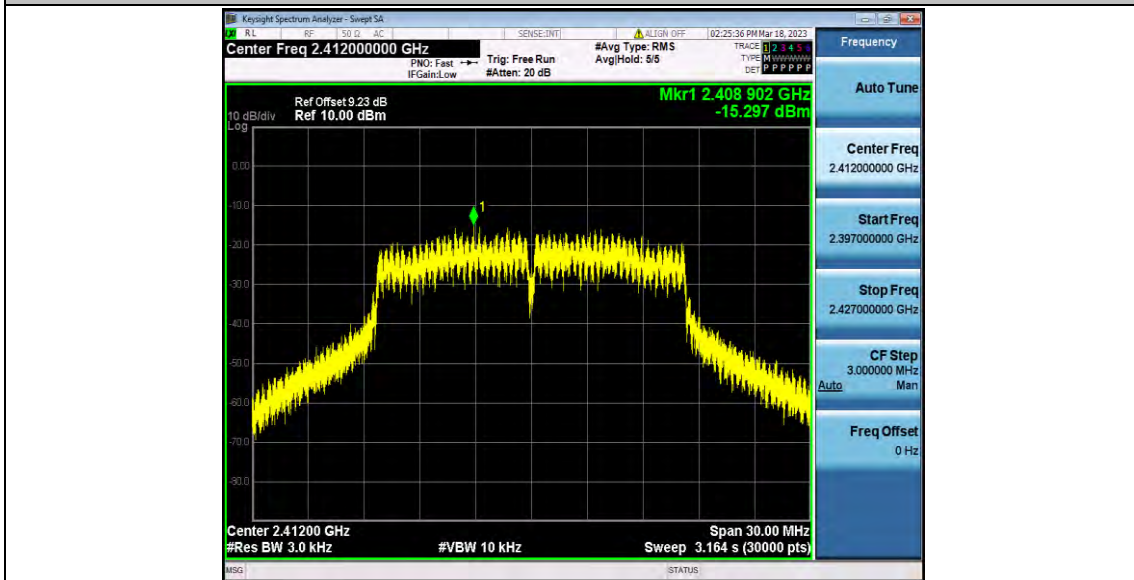
11B\_Ant2\_2437



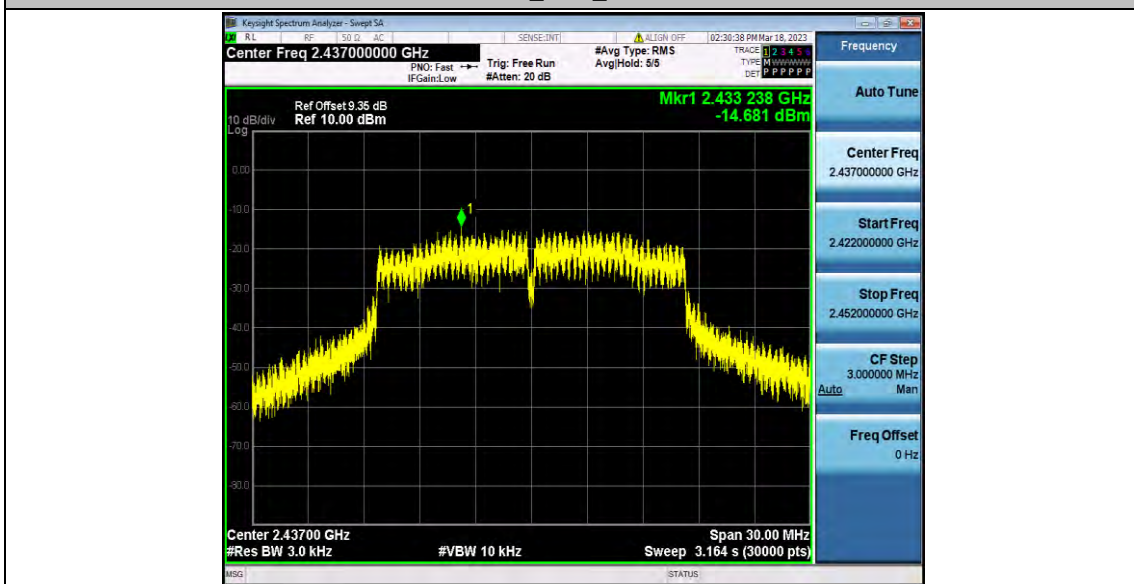
11B\_Ant2\_2462



11G\_Ant2\_2412

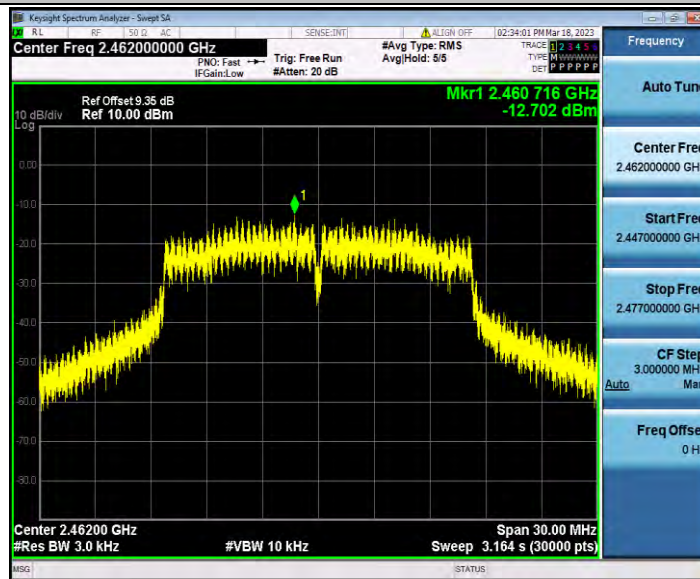


11G\_Ant2\_2437

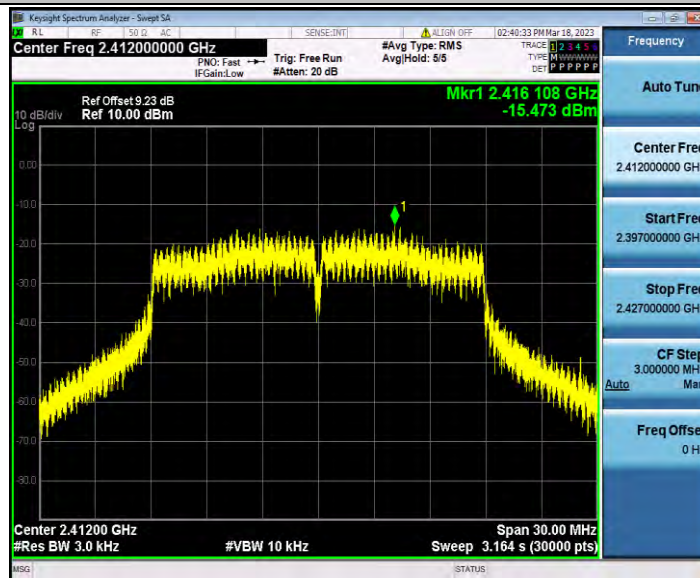




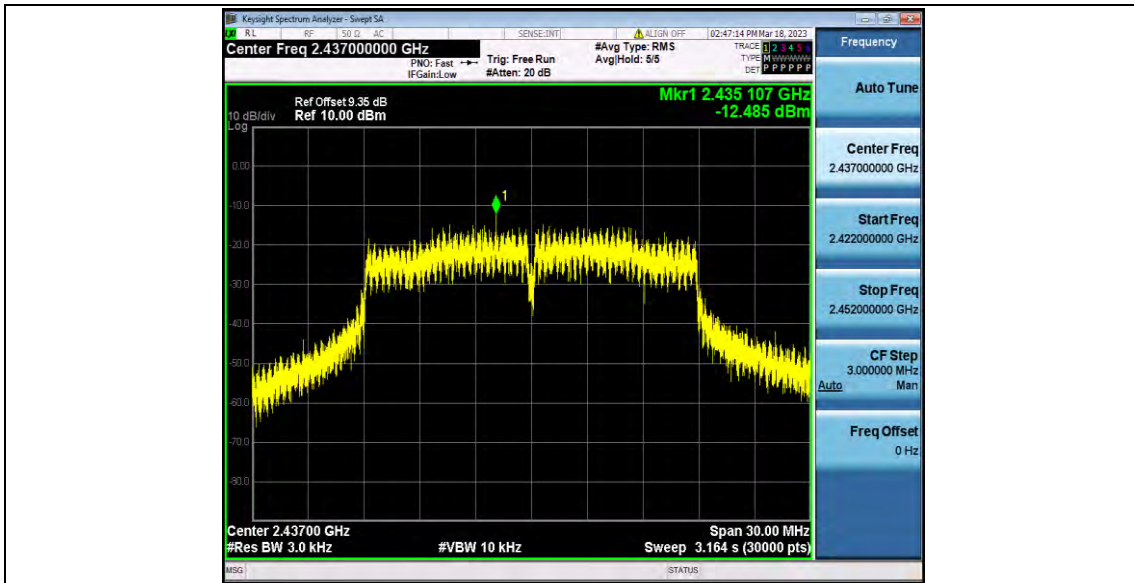
11G\_Ant2\_2462



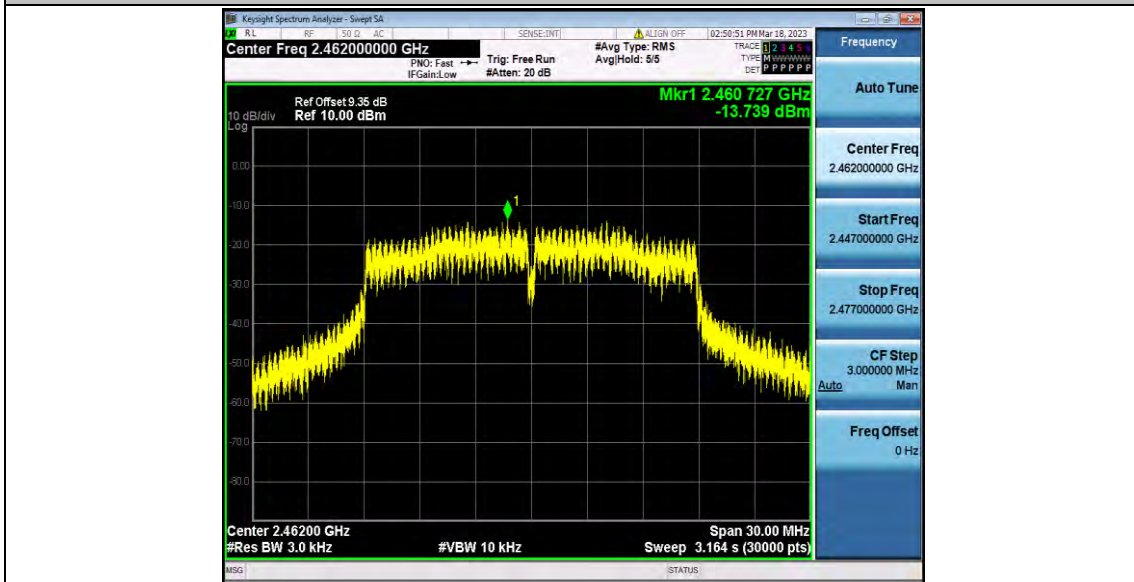
11N20SISO\_Ant2\_2412



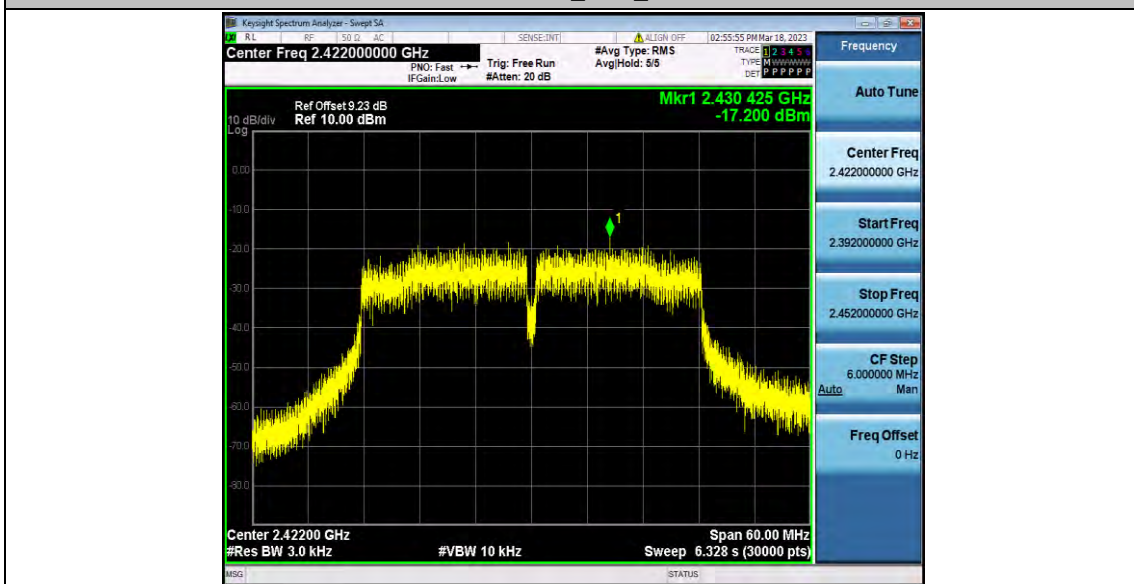
11N20SISO\_Ant2\_2437



11N20SISO\_Ant2\_2462



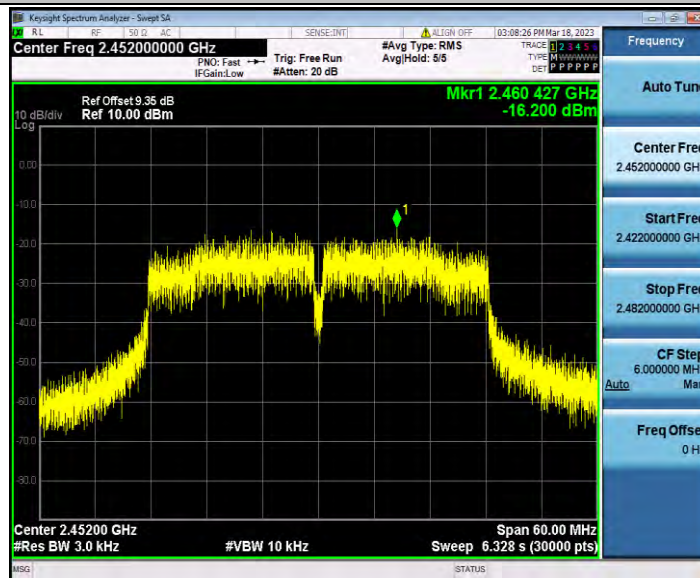
11N40SISO\_Ant2\_2422



11N40SISO\_Ant2\_2437



11N40SISO\_Ant2\_2452



## Appendix C.5: Band edge measurements

### Test Result

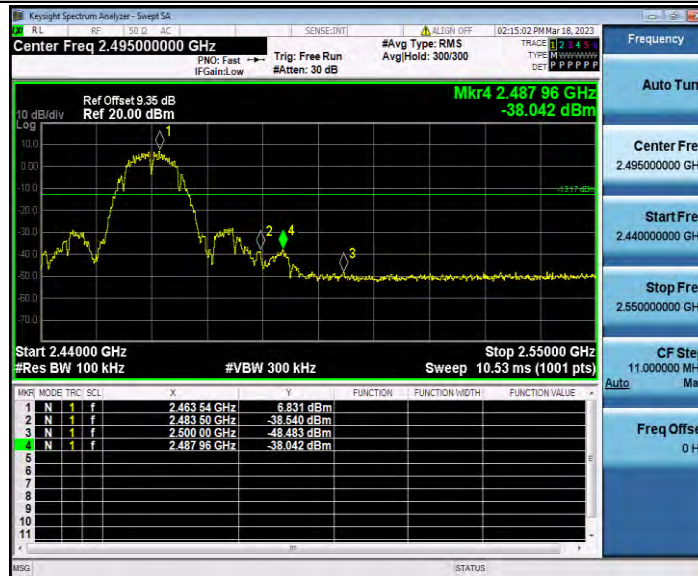
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant2	Low	2412	6.68	-33.66	≤-13.32	PASS
		High	2462	6.83	-38.04	≤-13.17	PASS
11G	Ant2	Low	2412	-0.69	-32.03	≤-20.69	PASS
		High	2462	1.21	-40.11	≤-18.79	PASS
11N20SISO	Ant2	Low	2412	-0.54	-31.15	≤-20.54	PASS
		High	2462	1.25	-38.53	≤-18.75	PASS
11N40SISO	Ant2	Low	2422	-3.64	-35.68	≤-23.64	PASS
		High	2452	-1.81	-30.94	≤-21.81	PASS

## Test Graphs

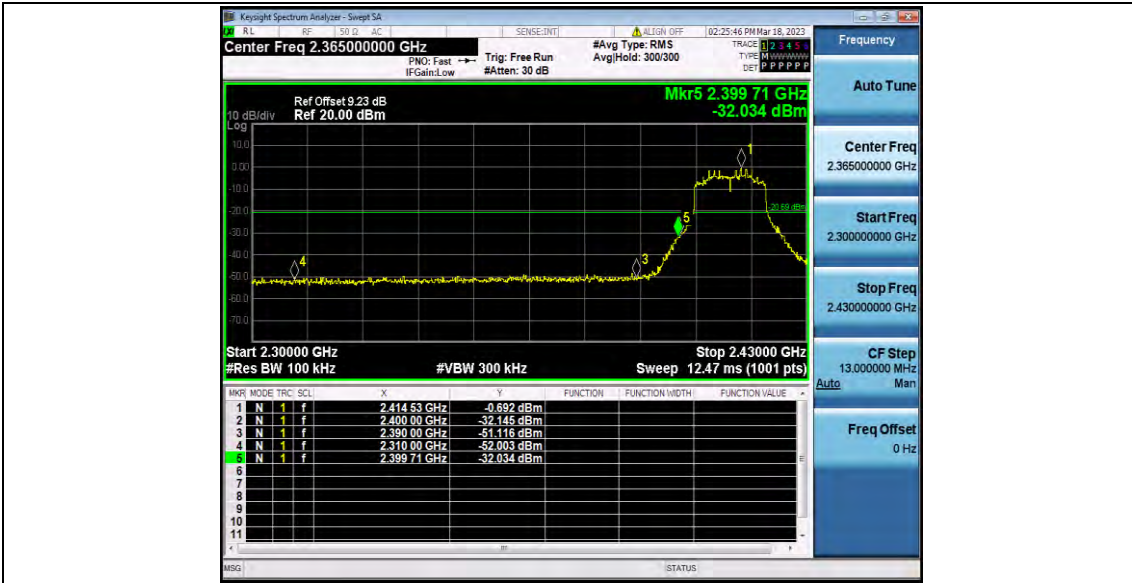
11B\_Ant2\_Low\_2412



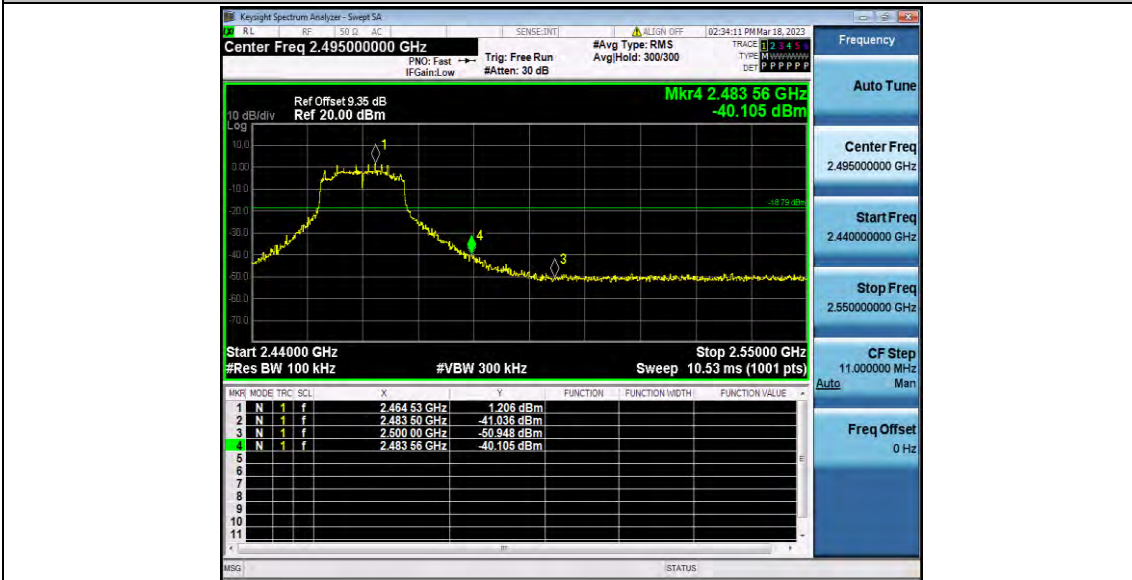
11B\_Ant2\_High\_2462



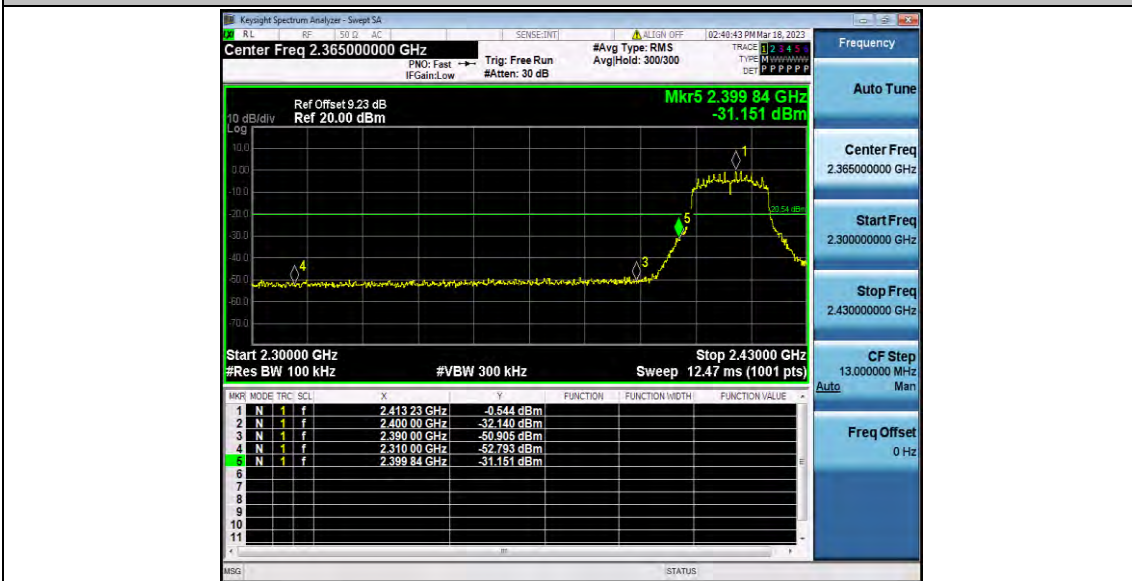
11G\_Ant2\_Low\_2412



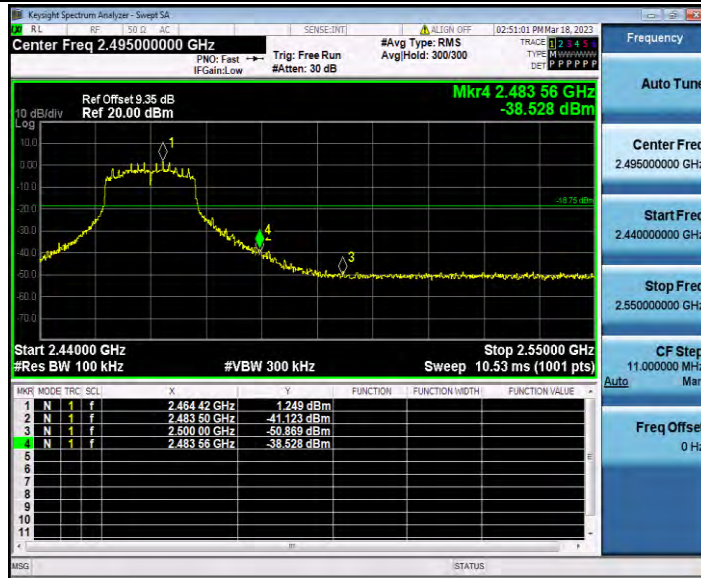
11G\_Ant2\_High\_2462



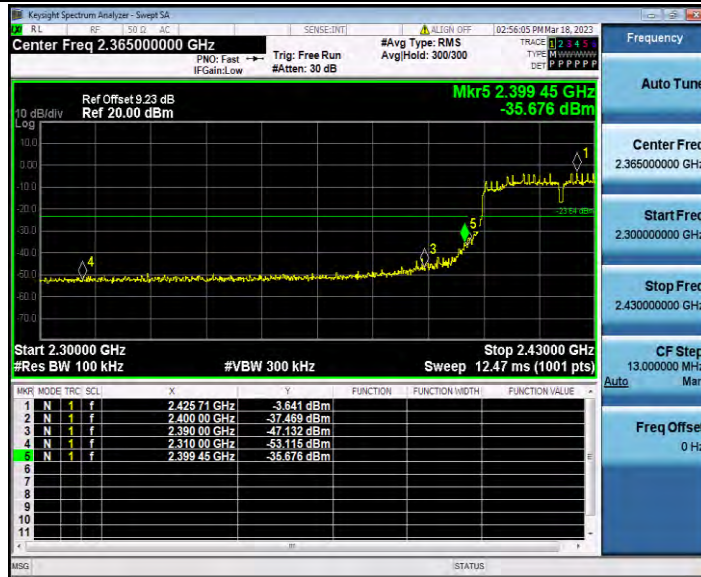
11N20SISO\_Ant2\_Low\_2412



11N20SISO\_Ant2\_High\_2462



11N40SISO\_Ant2\_Low\_2422



11N40SISO\_Ant2\_High\_2452



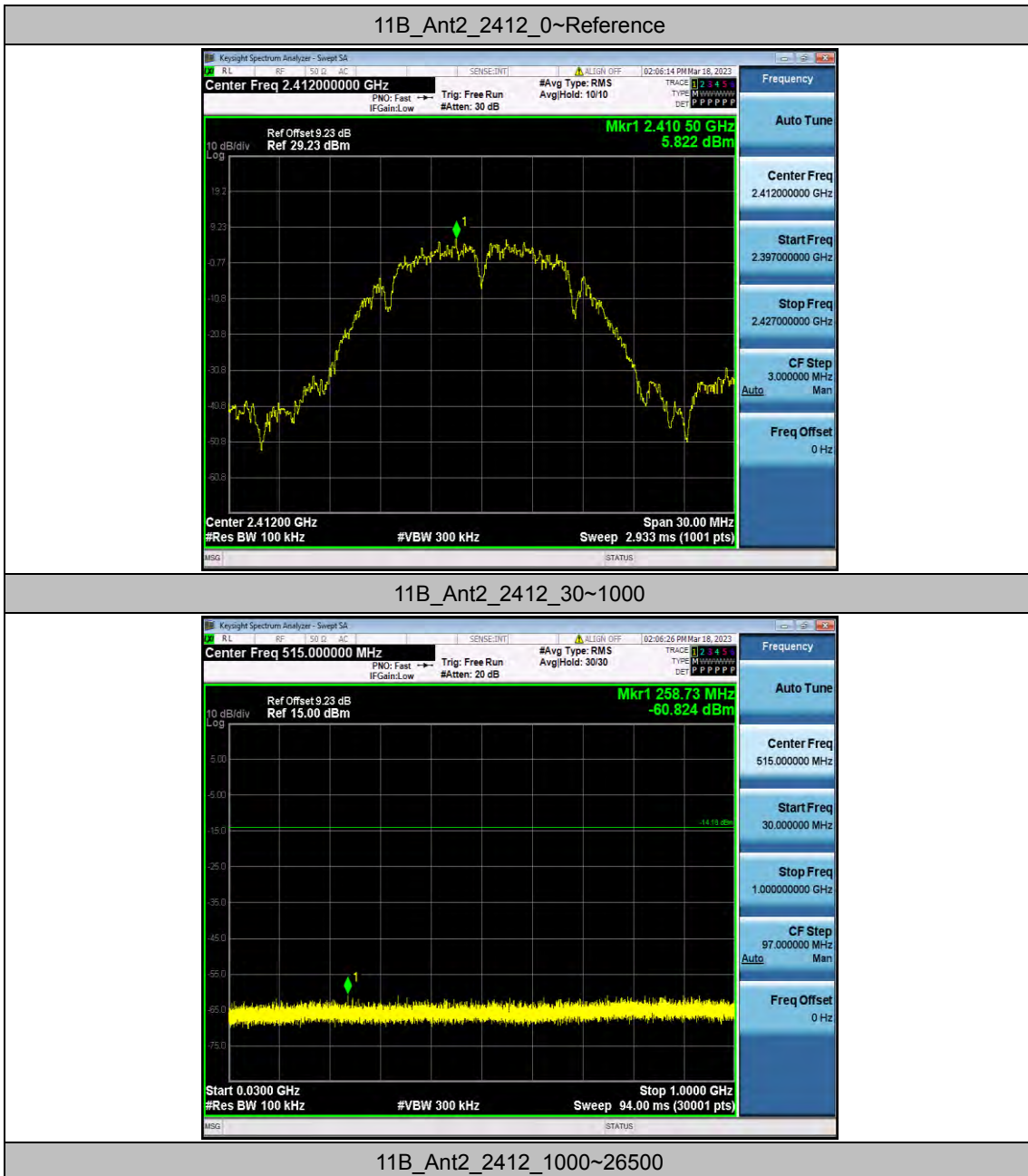


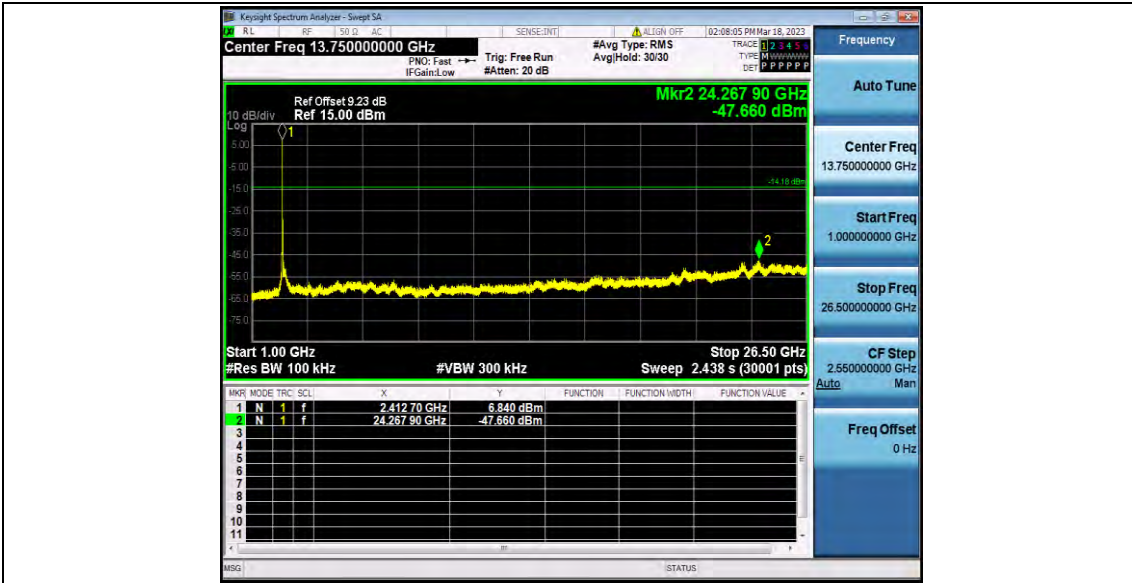
## Appendix C.6: Conducted Spurious Emission

### Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant2	2412	Reference	5.82	5.82	---	PASS
			30~1000	5.82	-60.82	$\leq -14.18$	PASS
			1000~26500	5.82	-47.66	$\leq -14.18$	PASS
		2437	Reference	6.46	6.46	---	PASS
			30~1000	6.46	-60.41	$\leq -13.54$	PASS
			1000~26500	6.46	-48.53	$\leq -13.54$	PASS
		2462	Reference	6.60	6.60	---	PASS
			30~1000	6.60	-60	$\leq -13.4$	PASS
			1000~26500	6.60	-47.14	$\leq -13.4$	PASS
11G	Ant2	2412	Reference	-1.14	-1.14	---	PASS
			30~1000	-1.14	-59.82	$\leq -21.14$	PASS
			1000~26500	-1.14	-47.89	$\leq -21.14$	PASS
		2437	Reference	-1.31	-1.31	---	PASS
			30~1000	-1.31	-60	$\leq -21.31$	PASS
			1000~26500	-1.31	-47.87	$\leq -21.31$	PASS
		2462	Reference	-1.92	-1.92	---	PASS
			30~1000	-1.92	-59.86	$\leq -21.92$	PASS
			1000~26500	-1.92	-47.26	$\leq -21.92$	PASS
11N20SISO	Ant2	2412	Reference	-1.43	-1.43	---	PASS
			30~1000	-1.43	-60.48	$\leq -21.43$	PASS
			1000~26500	-1.43	-46.78	$\leq -21.43$	PASS
		2437	Reference	-2.95	-2.95	---	PASS
			30~1000	-2.95	-59.79	$\leq -22.95$	PASS
			1000~26500	-2.95	-47.49	$\leq -22.95$	PASS
		2462	Reference	-1.02	-1.02	---	PASS
			30~1000	-1.02	-60.45	$\leq -21.02$	PASS
			1000~26500	-1.02	-47.21	$\leq -21.02$	PASS
11N40SISO	Ant2	2422	Reference	-4.39	-4.39	---	PASS
			30~1000	-4.39	-60.47	$\leq -24.39$	PASS
			1000~26500	-4.39	-47.73	$\leq -24.39$	PASS
		2437	Reference	-5.17	-5.17	---	PASS
			30~1000	-5.17	-59.72	$\leq -25.17$	PASS
			1000~26500	-5.17	-47.22	$\leq -25.17$	PASS
		2452	Reference	-3.61	-3.61	---	PASS
			30~1000	-3.61	-59.96	$\leq -23.61$	PASS
			1000~26500	-3.61	-47.73	$\leq -23.61$	PASS

## Test Graphs

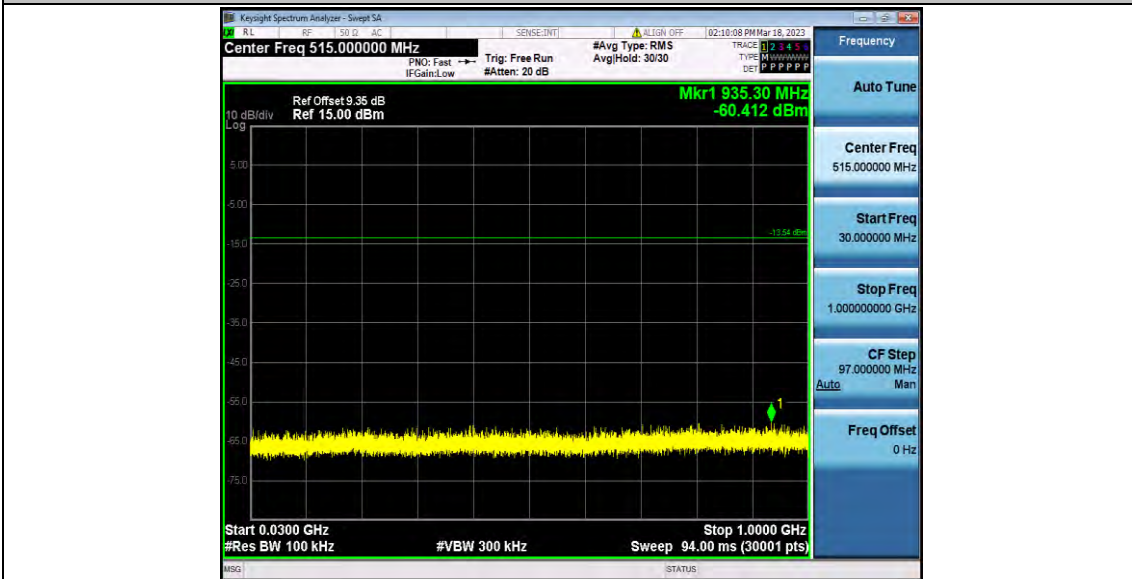




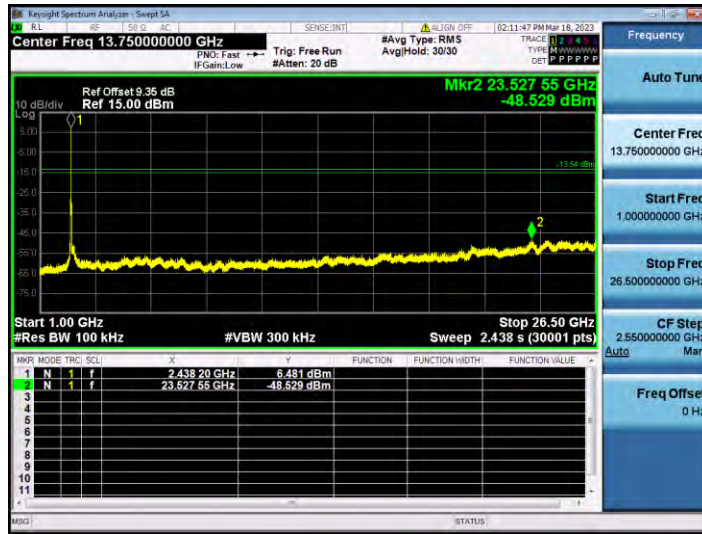
11B\_Ant2\_2437\_0~Reference



11B\_Ant2\_2437\_30~1000



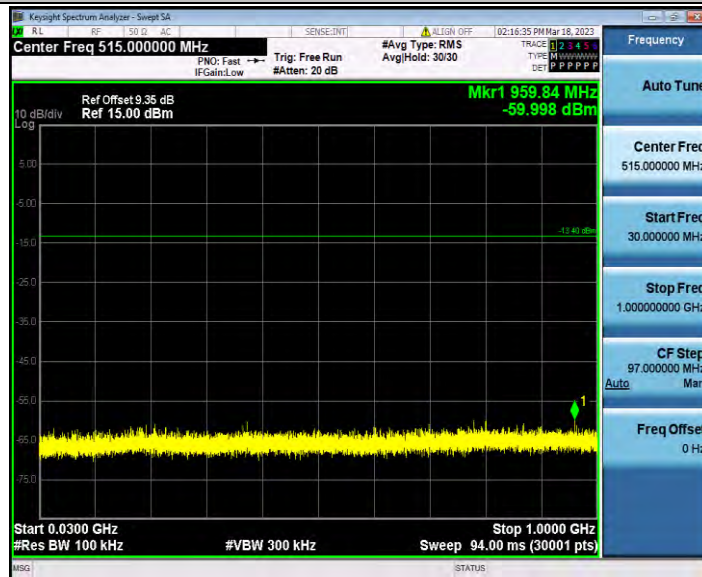
11B\_Ant2\_2437\_1000~26500



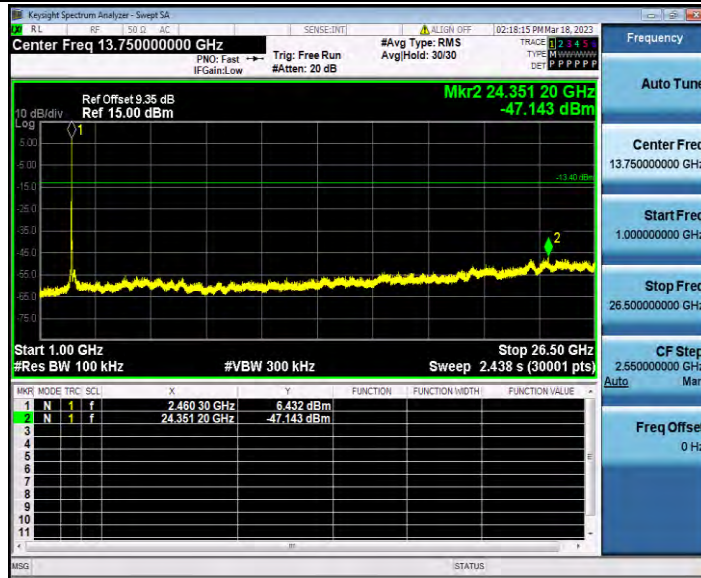
11B\_Ant2\_2462\_0~Reference



11B\_Ant2\_2462\_30~1000



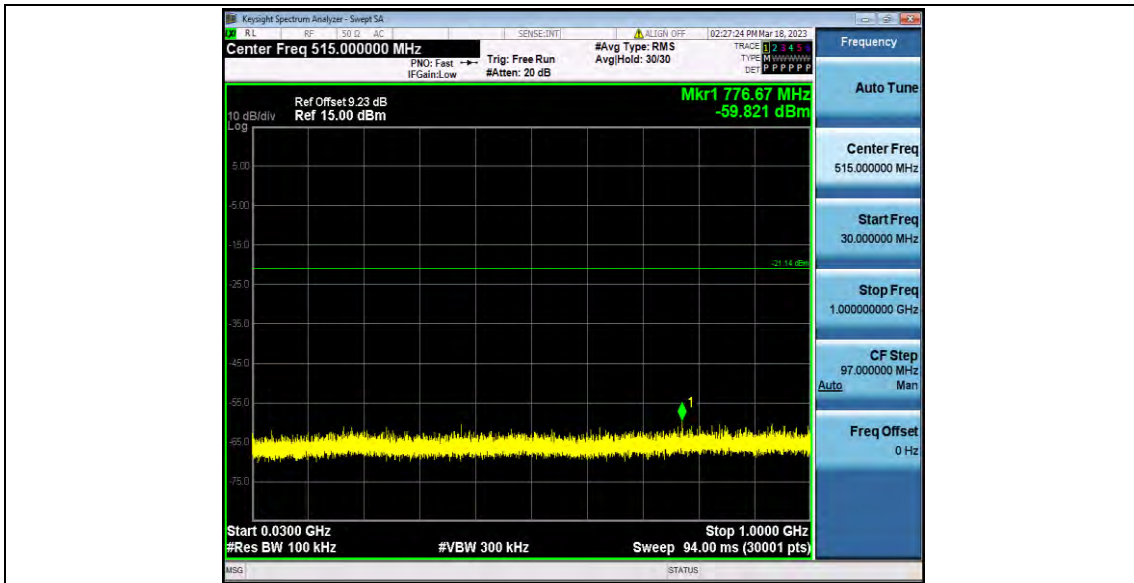
11B\_Ant2\_2462\_1000~26500



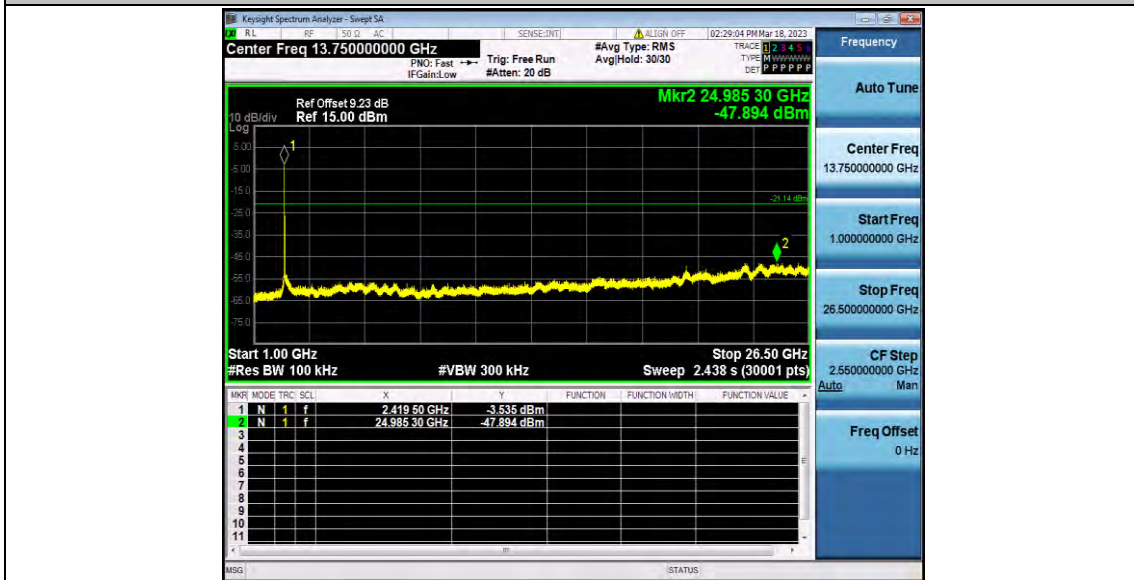
11G\_Ant2\_2412\_0~Reference



11G\_Ant2\_2412\_30~1000



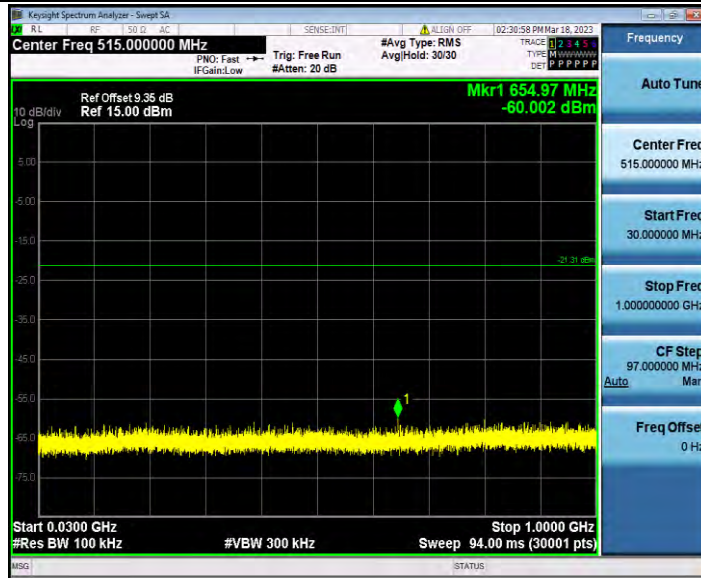
11G\_Ant2\_2412\_1000~26500



11G\_Ant2\_2437\_0~Reference



11G\_Ant2\_2437\_30~1000



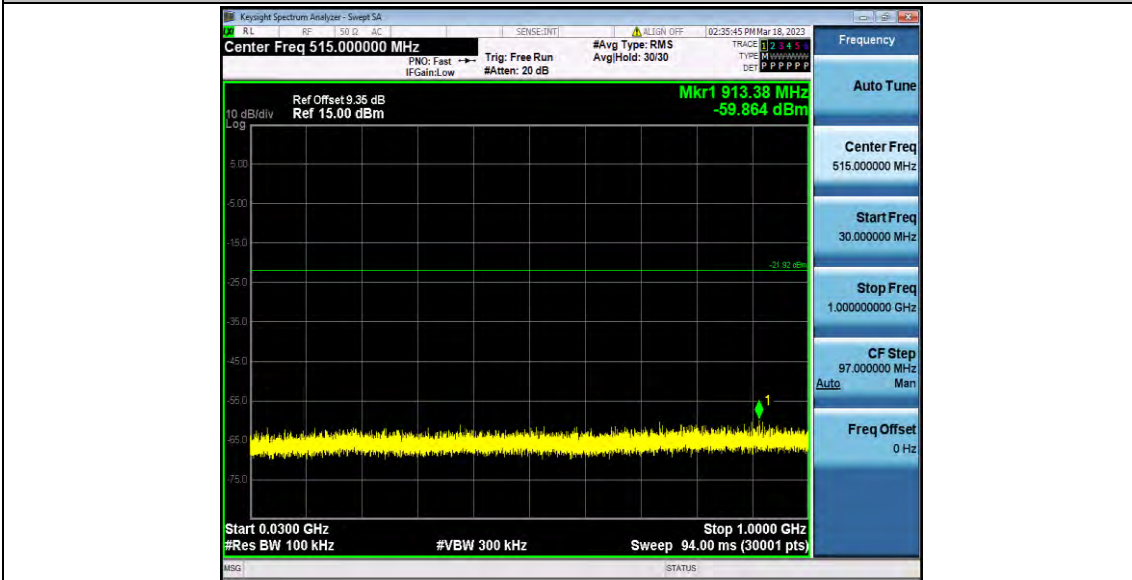
11G\_Ant2\_2437\_1000~26500



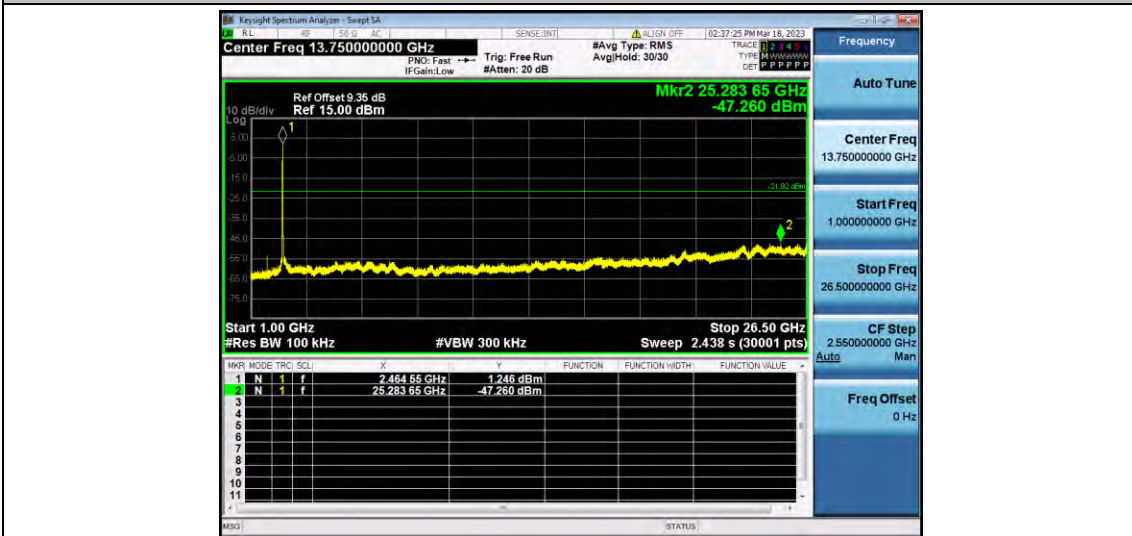
11G\_Ant2\_2462\_0~Reference



11G\_Ant2\_2462\_30~1000

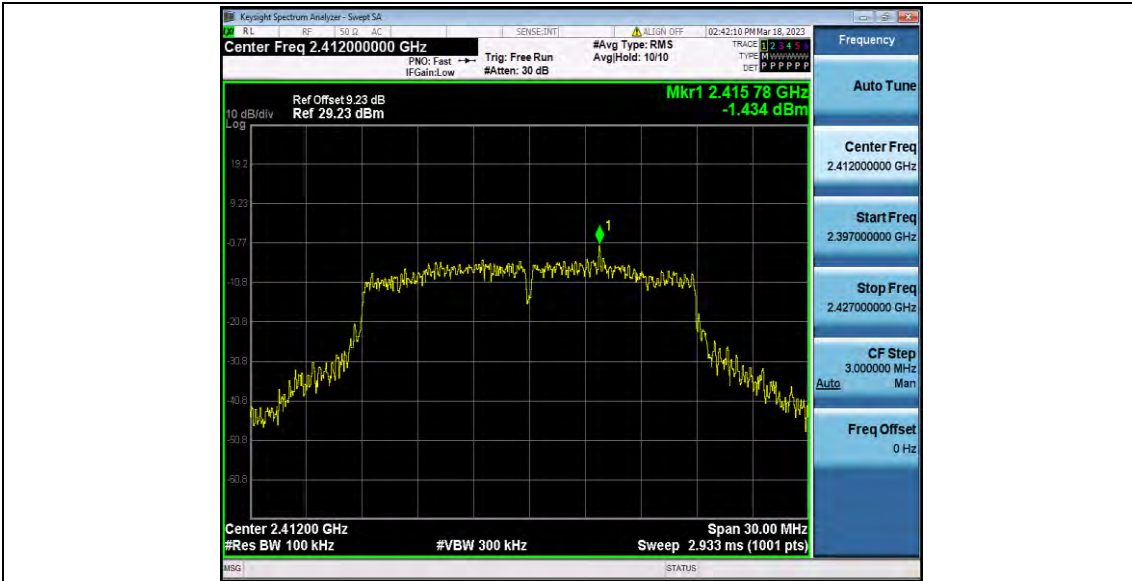


11G\_Ant2\_2462\_1000~26500

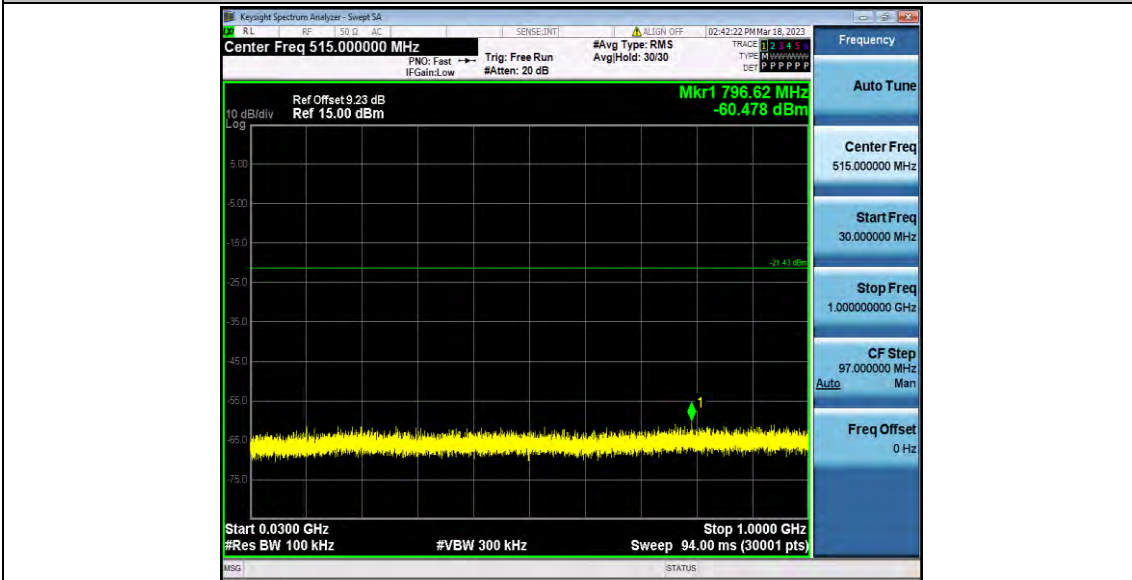


11N20SISO\_Ant2\_2412\_0~Reference

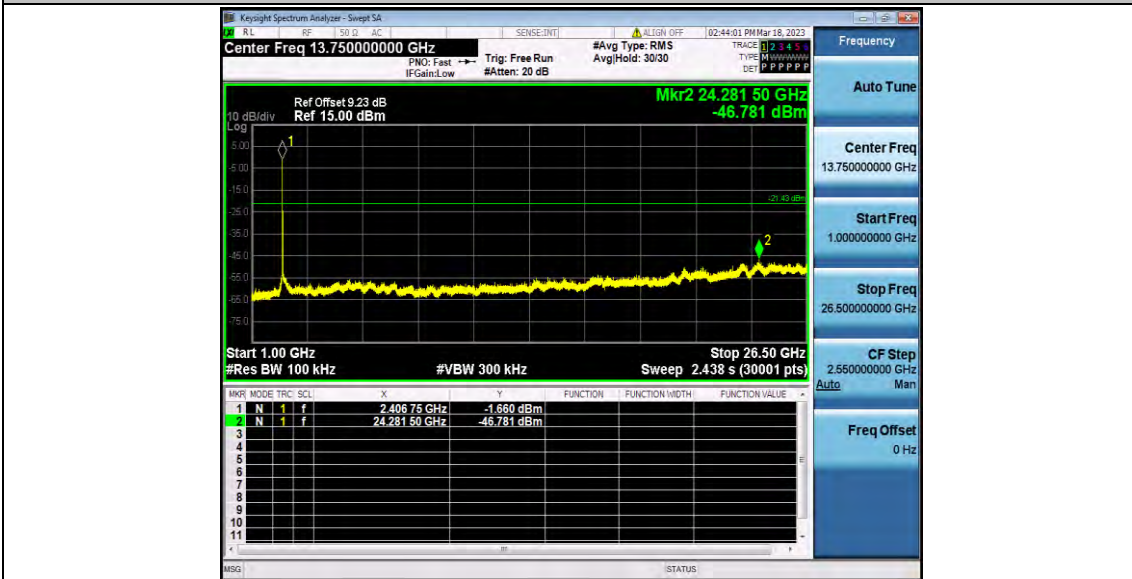




11N20SISO\_Ant2\_2412\_30~1000



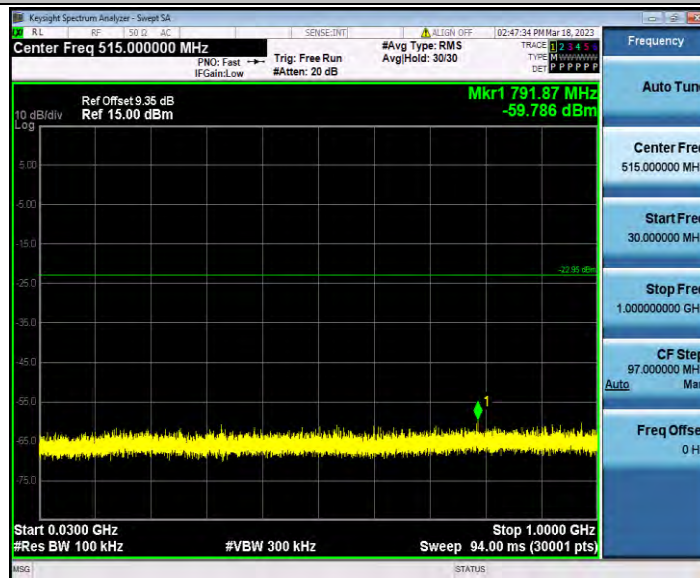
11N20SISO\_Ant2\_2412\_1000~26500



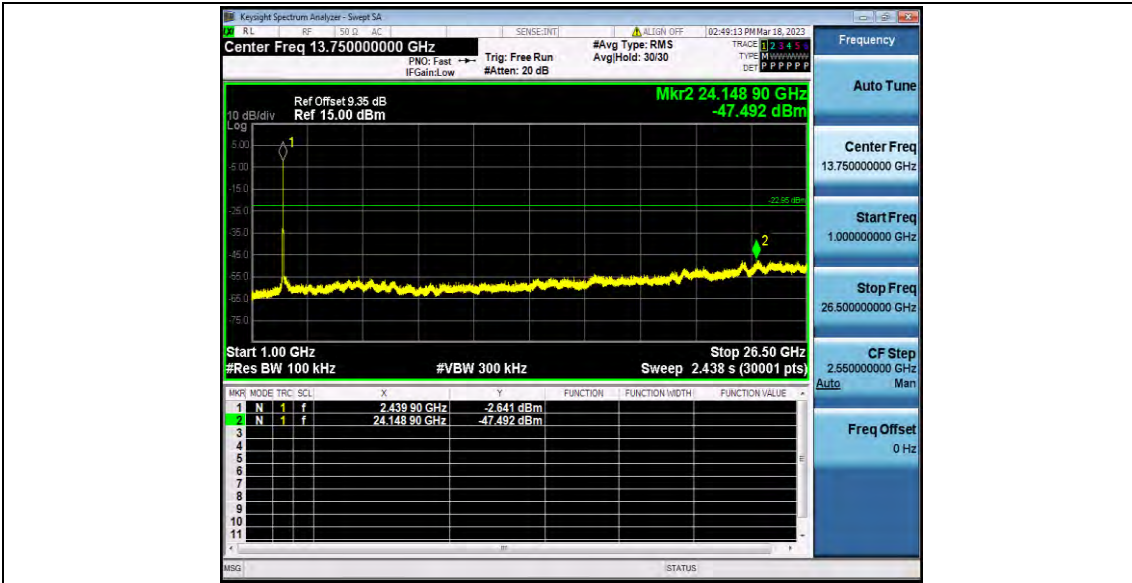
11N20SISO\_Ant2\_2437\_0~Reference



11N20SISO\_Ant2\_2437\_30~1000



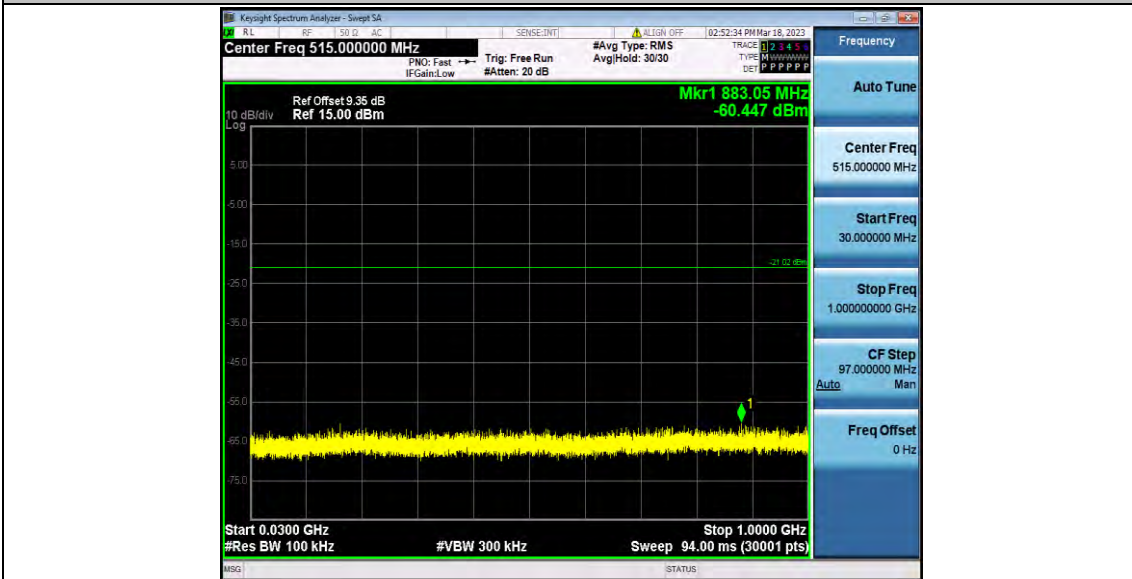
11N20SISO\_Ant2\_2437\_1000~26500



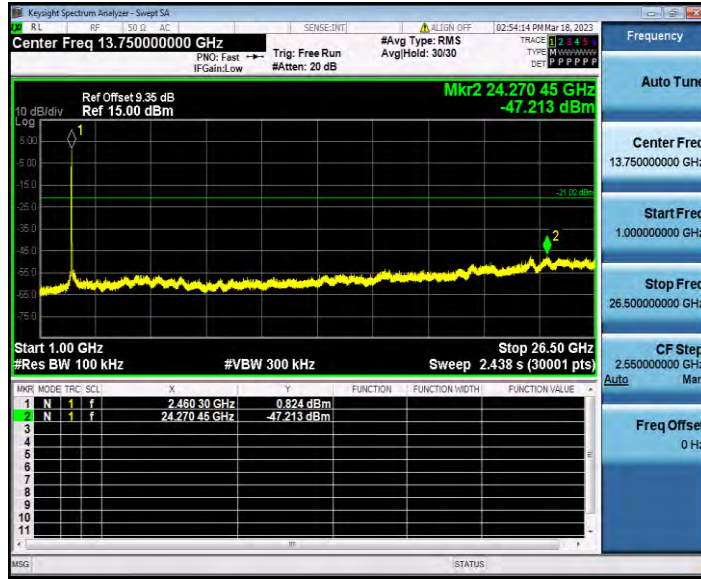
11N20SISO\_Ant2\_2462\_0~Reference



11N20SISO\_Ant2\_2462\_30~1000



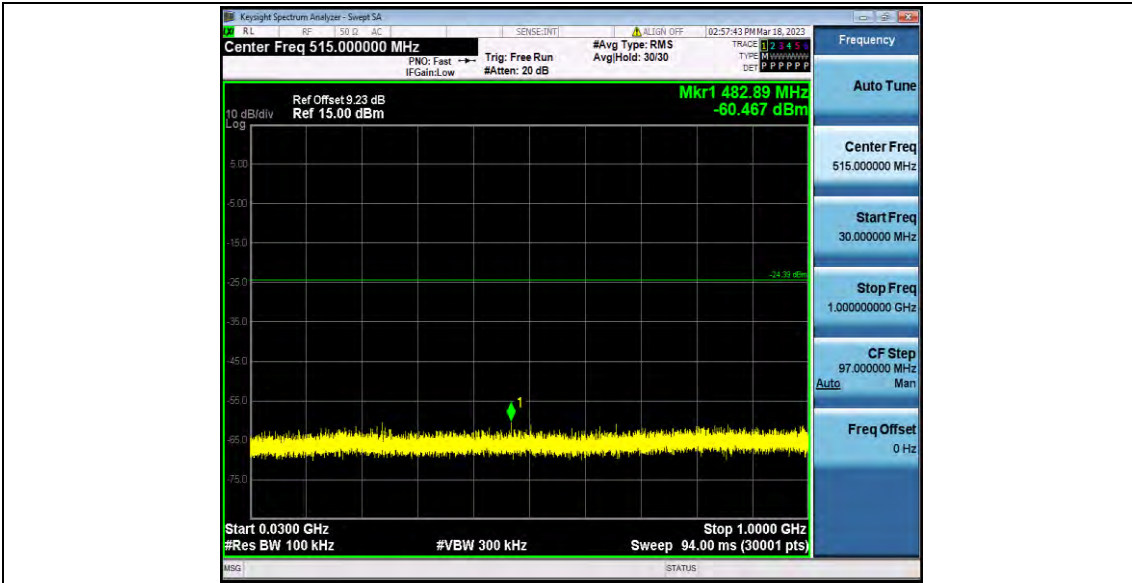
11N20SISO\_Ant2\_2462\_1000~26500



11N40SISO\_Ant2\_2422\_0~Reference



11N40SISO\_Ant2\_2422\_30~1000



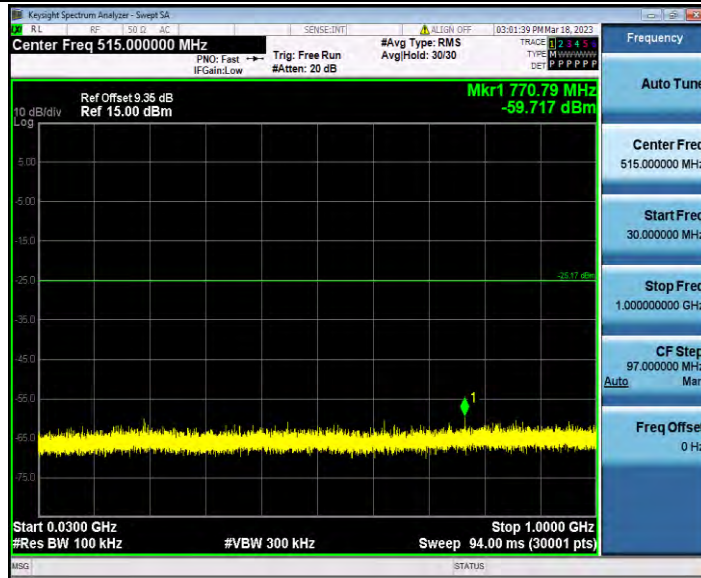
11N40SISO\_Ant2\_2422\_1000~26500



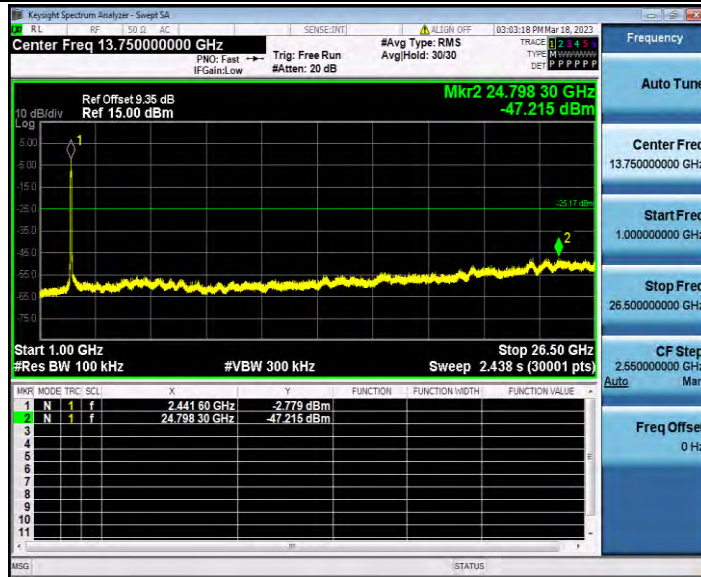
11N40SISO\_Ant2\_2437\_0~Reference



11N40SISO\_Ant2\_2437\_30~1000



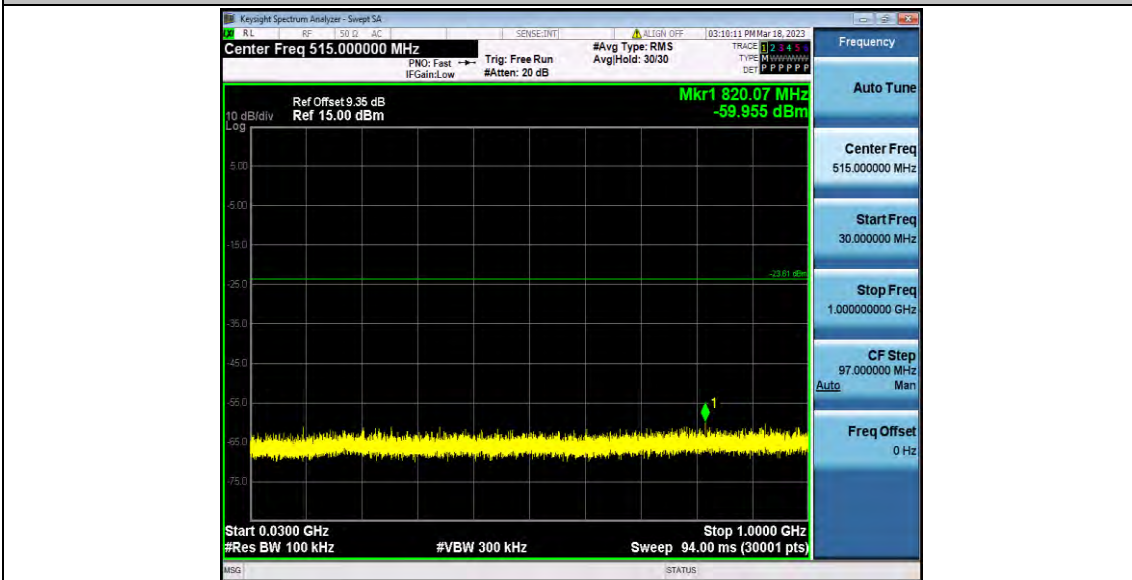
11N40SISO\_Ant2\_2437\_1000~26500



11N40SISO\_Ant2\_2452\_0~Reference



11N40SISO\_Ant2\_2452\_30~1000



11N40SISO\_Ant2\_2452\_1000~26500

