

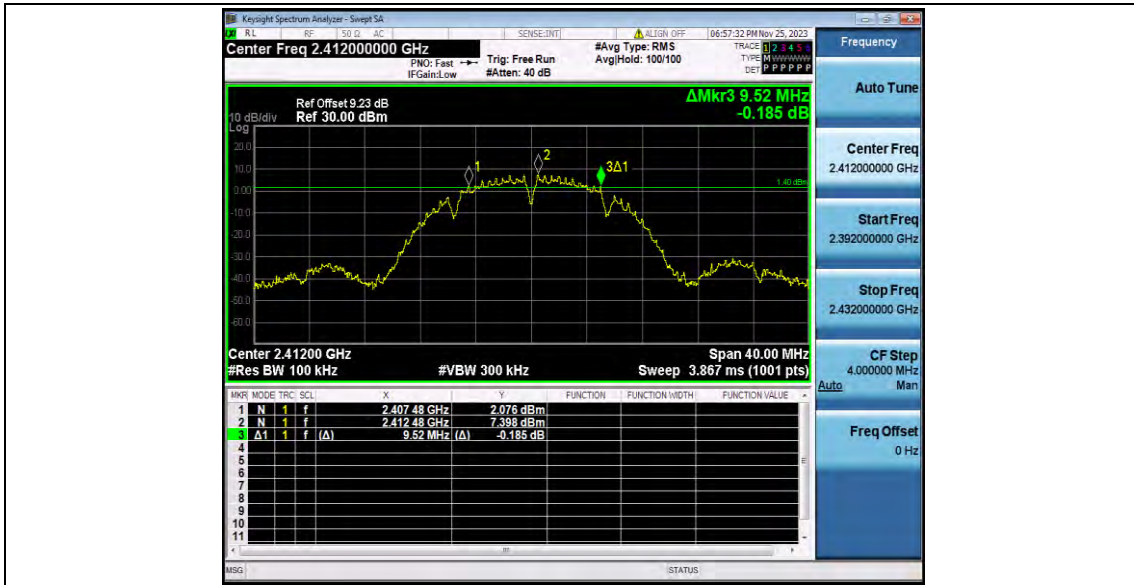
<b>Case No. :</b> <u>GTS20231023002-1-9</u>
<b>Ambient Condition:</b> <u>23</u> °C, <u>49</u> %RH, Atmos100.1Kpa,
<b>Test Date:</b> <u>2023.11.25</u> <b>Test Engineer:</b> <u>Evan ouyang</u>

## Appendix B.1: DTS Bandwidth

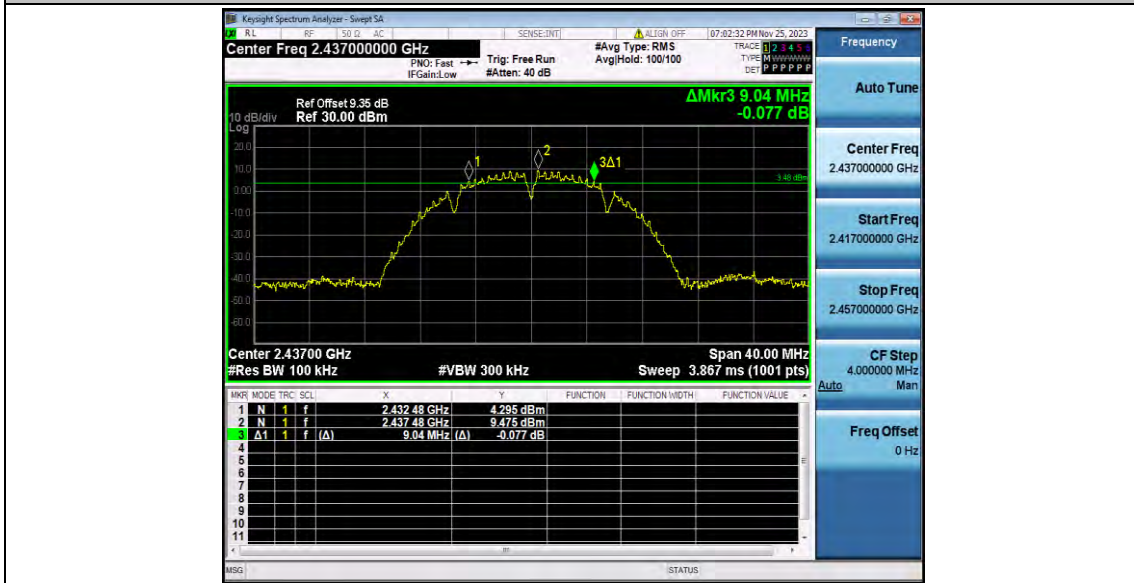
### Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.520	2407.480	2417.000	0.5	PASS
		2437	9.040	2432.480	2441.520	0.5	PASS
		2462	9.000	2457.480	2466.480	0.5	PASS
11G	Ant1	2412	13.400	2405.680	2419.080	0.5	PASS
		2437	15.160	2429.400	2444.560	0.5	PASS
		2462	15.440	2454.080	2469.520	0.5	PASS
11N20SISO	Ant1	2412	17.440	2403.280	2420.720	0.5	PASS
		2437	17.080	2428.480	2445.560	0.5	PASS
		2462	16.920	2453.480	2470.400	0.5	PASS

## Test Graphs



11B\_Ant1\_2412



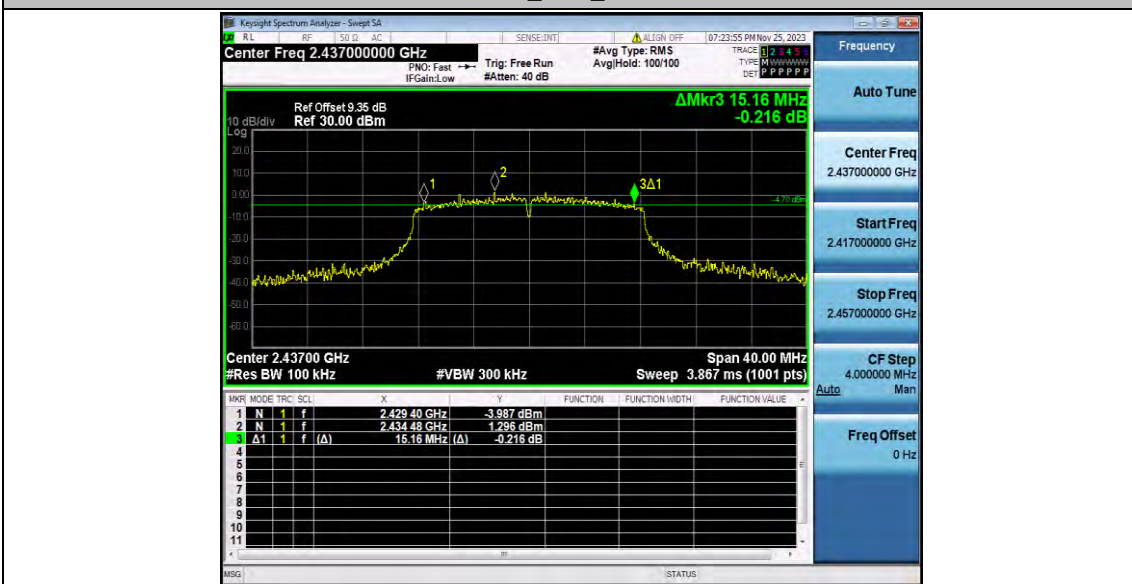
11B\_Ant1\_2437



11B\_Ant1\_2462



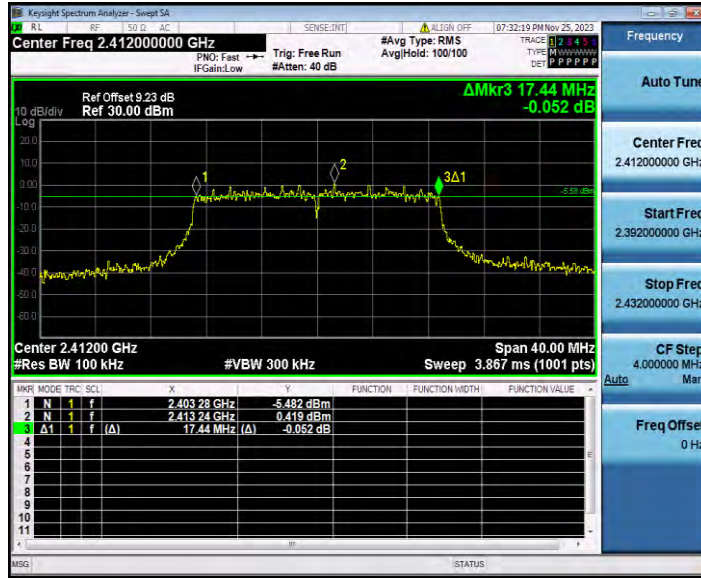
11G\_Ant1\_2412



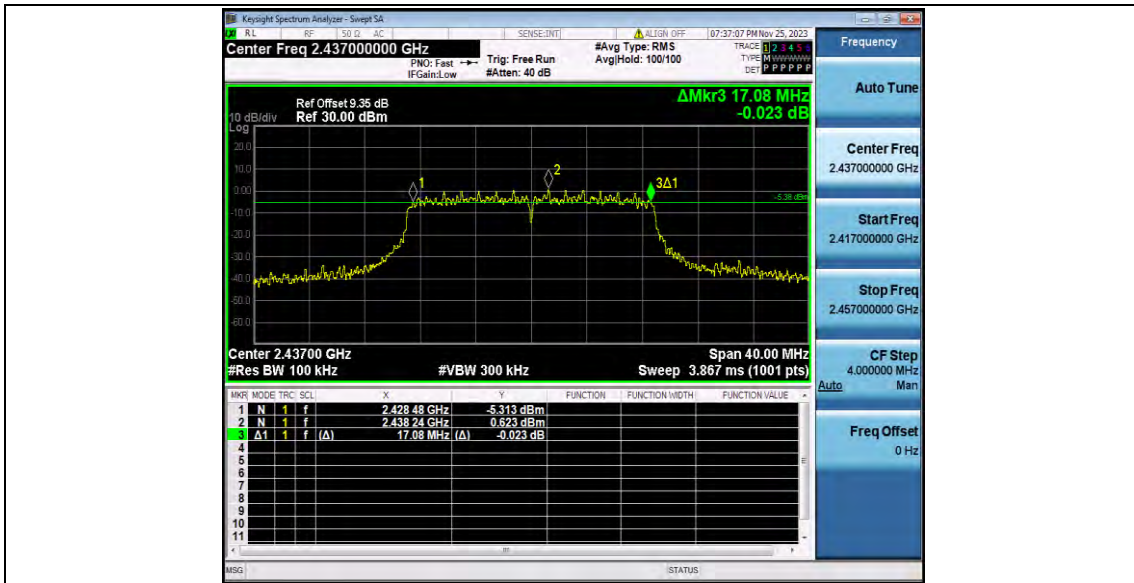
11G\_Ant1\_2437



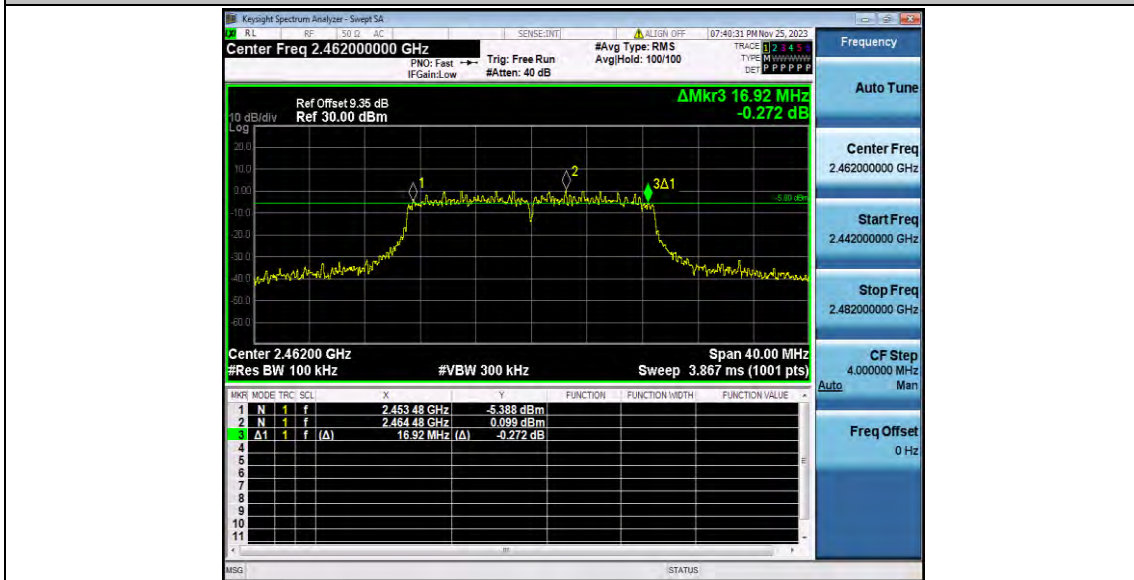
11G\_Ant1\_2462



11N20SISO\_Ant1\_2412



11N20SISO\_Ant1\_2437



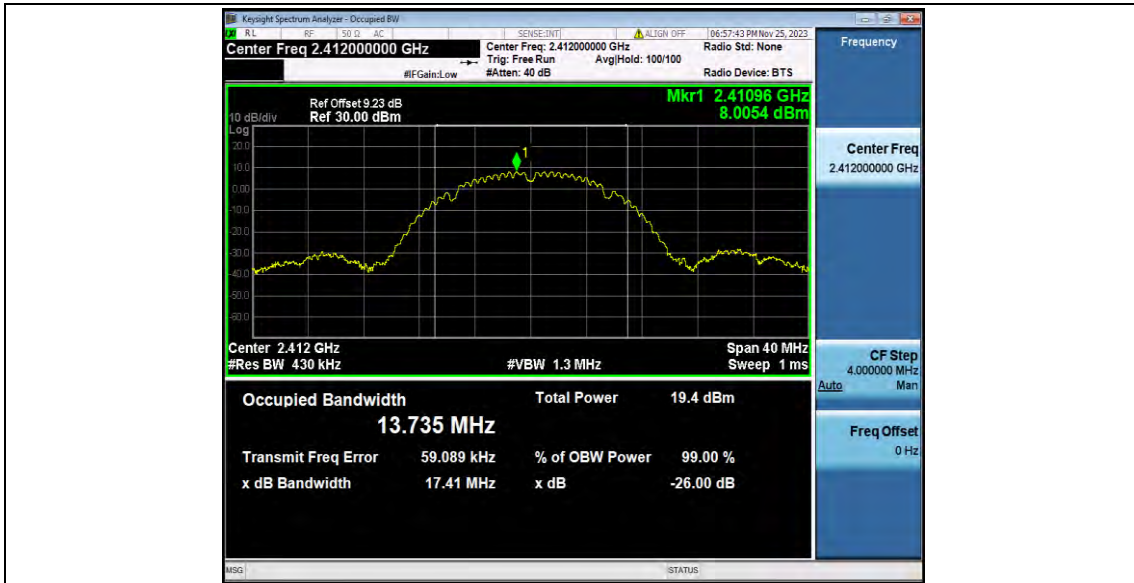
11N20SISO\_Ant1\_2462

## Appendix B.2: Occupied Channel Bandwidth

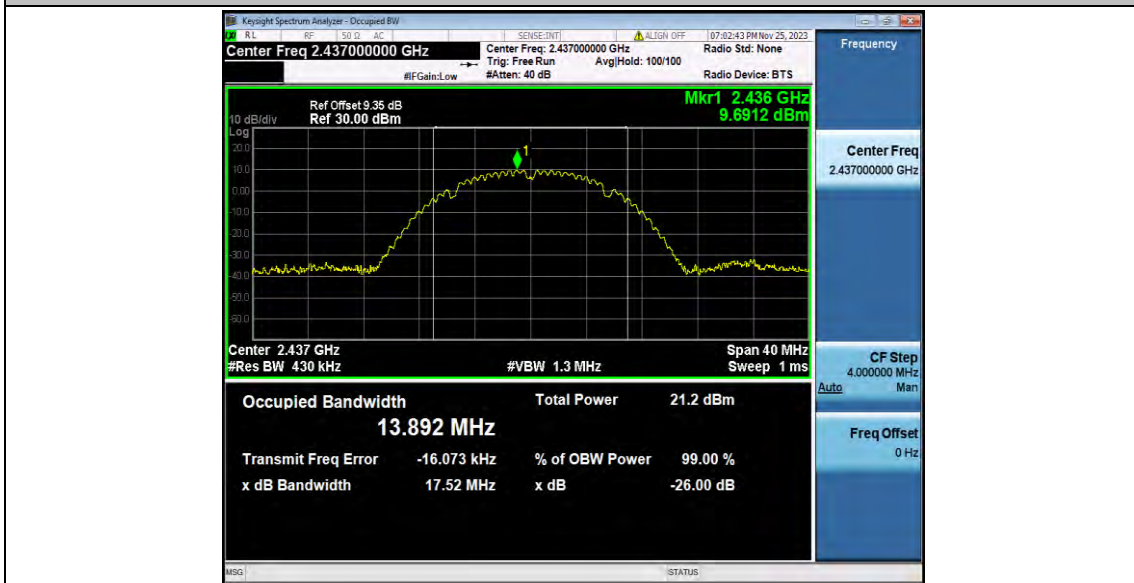
### Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.735	2405.192	2418.927	---	---
		2437	13.892	2430.038	2443.930	---	---
		2462	13.695	2455.110	2468.805	---	---
11G	Ant1	2412	16.664	2403.667	2420.331	---	---
		2437	16.636	2428.680	2445.316	---	---
		2462	16.581	2453.690	2470.271	---	---
11N20SISO	Ant1	2412	17.760	2403.125	2420.885	---	---
		2437	17.734	2428.148	2445.882	---	---
		2462	17.826	2453.071	2470.897	---	---

## Test Graphs



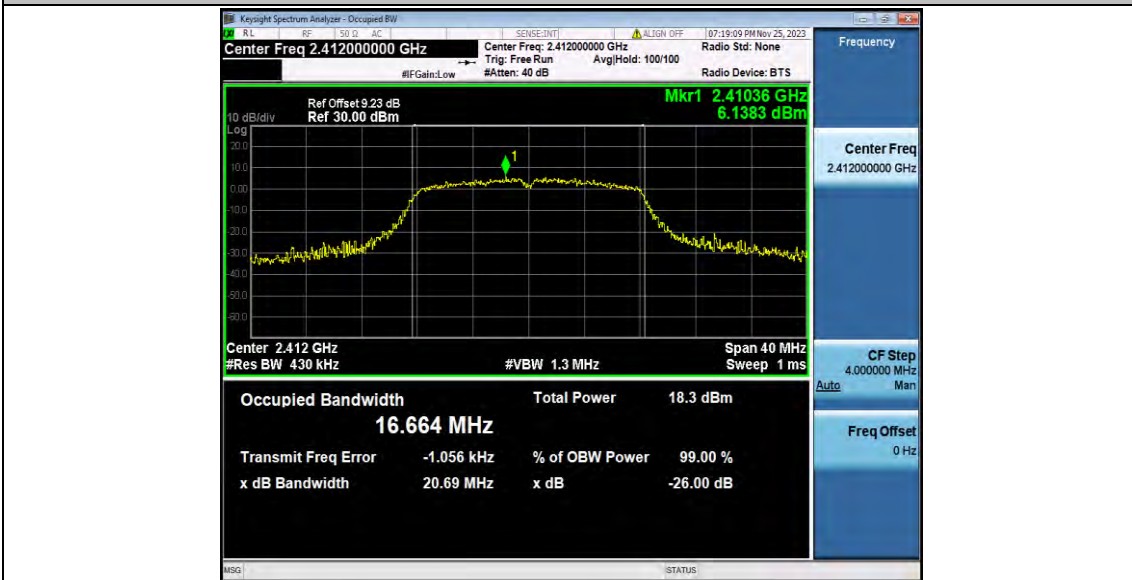
11B\_Ant1\_2412



11B\_Ant1\_2437



11B\_Ant1\_2462



11G\_Ant1\_2412

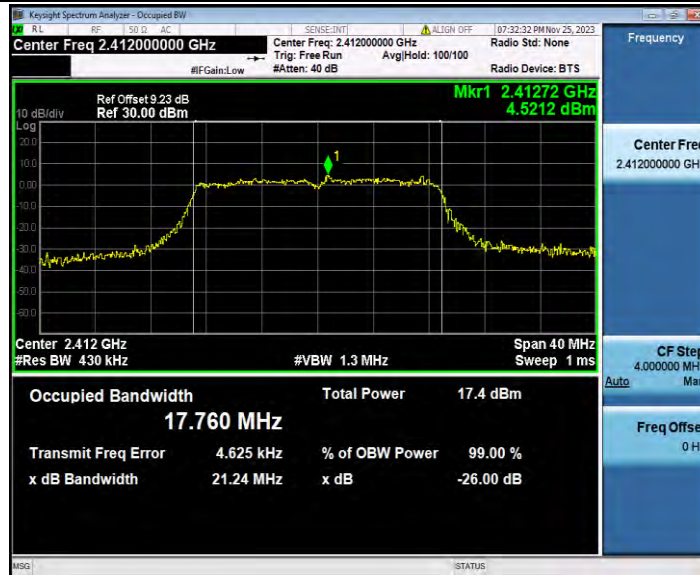




11G\_Ant1\_2437



11G\_Ant1\_2462



11N20SISO\_Ant1\_2412



11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462

## Appendix B.3: Maximum conducted output power

### Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	19.72	≤30.00	PASS
		2437	21.36	≤30.00	PASS
		2462	20.73	≤30.00	PASS
11G	Ant1	2412	19.47	≤30.00	PASS
		2437	19.63	≤30.00	PASS
		2462	19.47	≤30.00	PASS
11N20SISO	Ant1	2412	18.41	≤30.00	PASS
		2437	18.63	≤30.00	PASS
		2462	18.37	≤30.00	PASS

## Appendix B.4: Maximum power spectral density

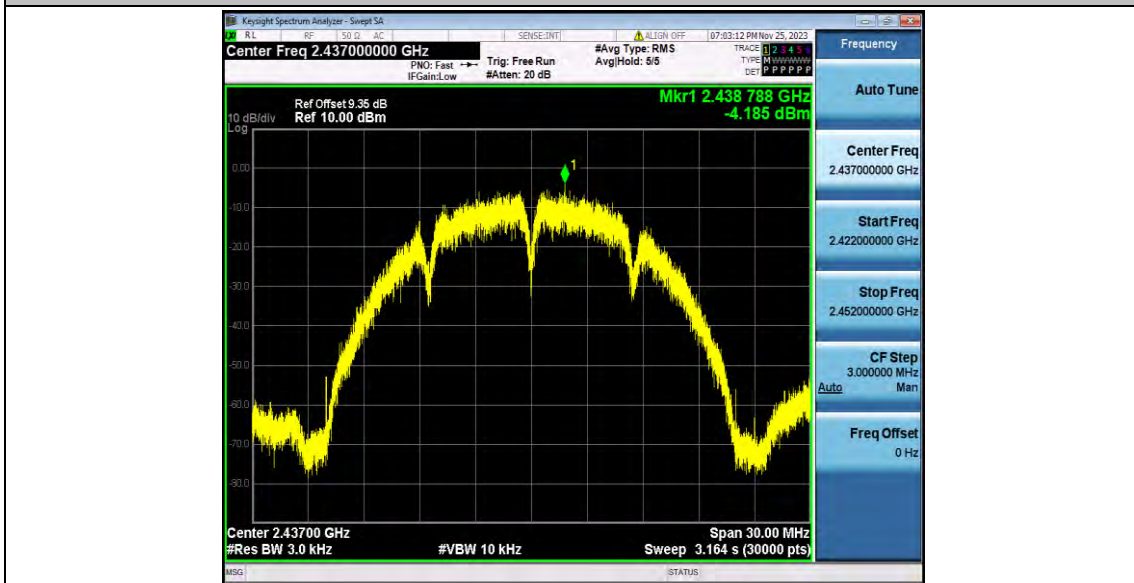
### Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-6.83	≤8.00	PASS
		2437	-4.19	≤8.00	PASS
		2462	-5.78	≤8.00	PASS
11G	Ant1	2412	-12.03	≤8.00	PASS
		2437	-12.93	≤8.00	PASS
		2462	-12.73	≤8.00	PASS
11N20SISO	Ant1	2412	-15.76	≤8.00	PASS
		2437	-14.78	≤8.00	PASS
		2462	-14.23	≤8.00	PASS

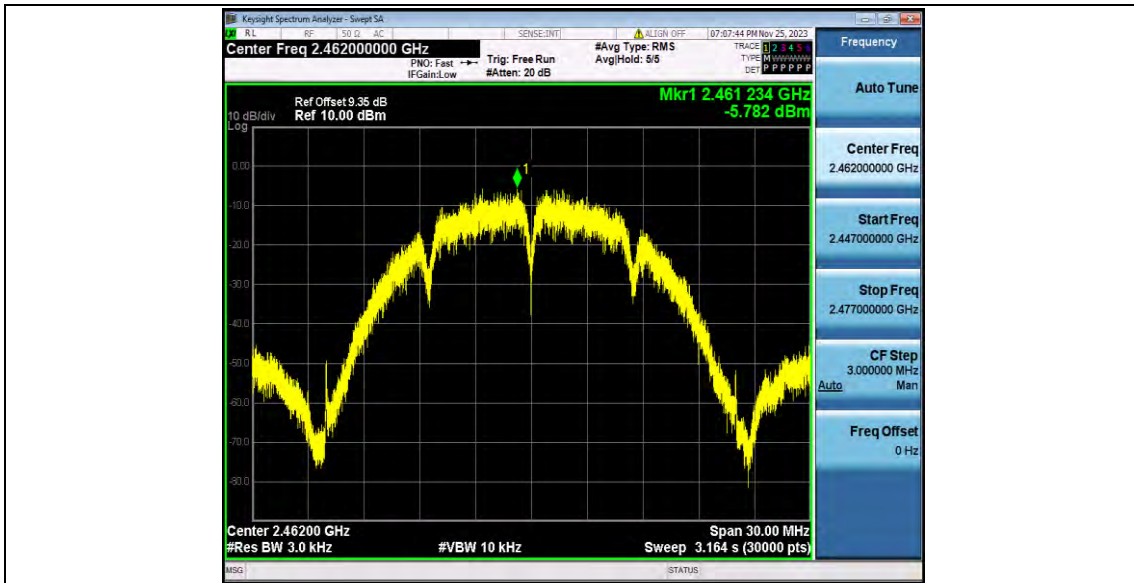
## Test Graphs



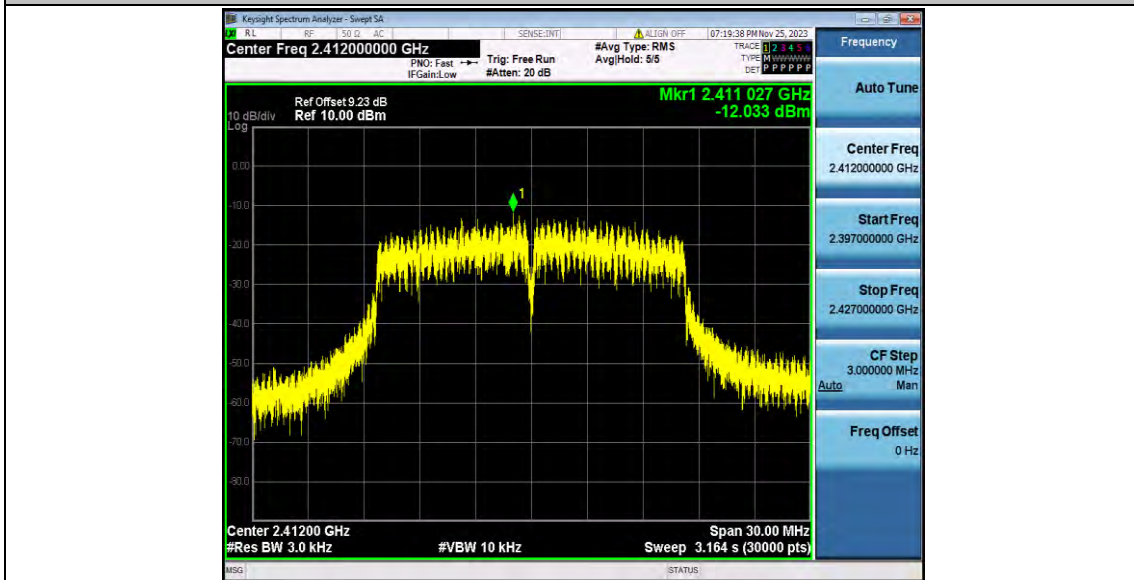
11B\_Ant1\_2412



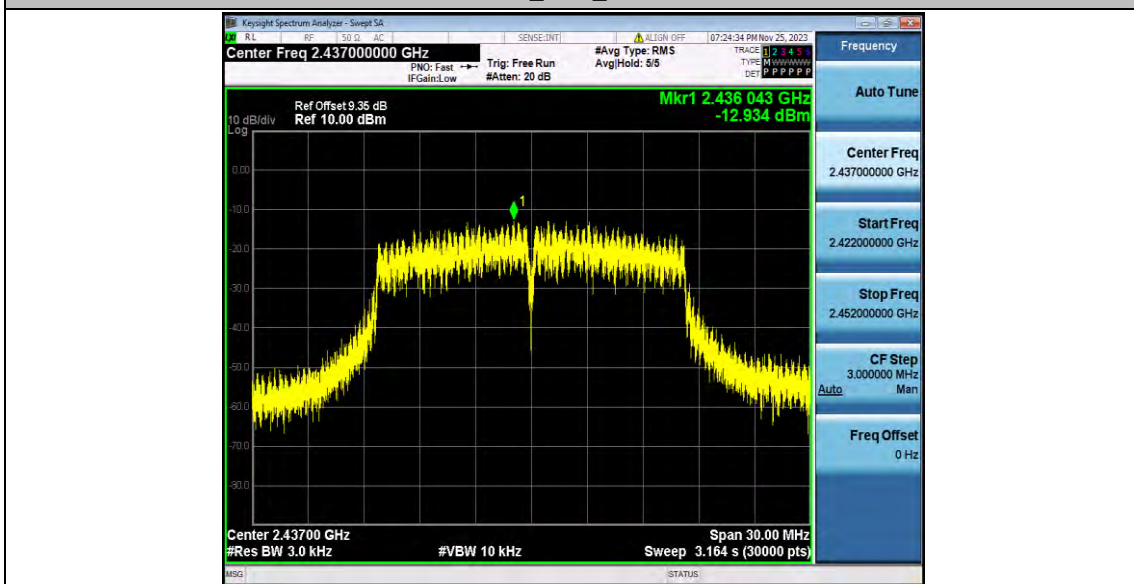
11B\_Ant1\_2437



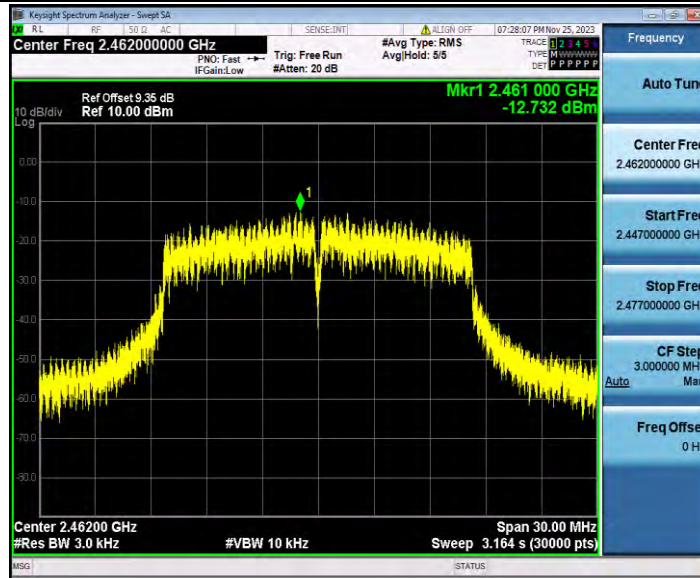
11B\_Ant1\_2462



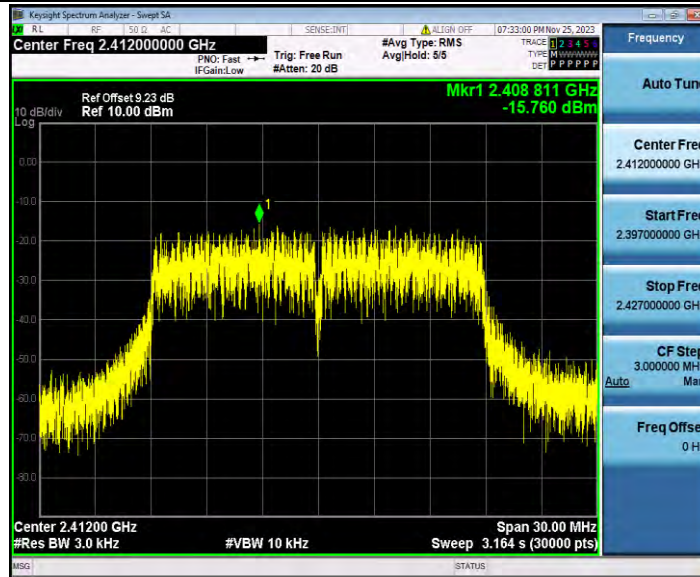
11G\_Ant1\_2412



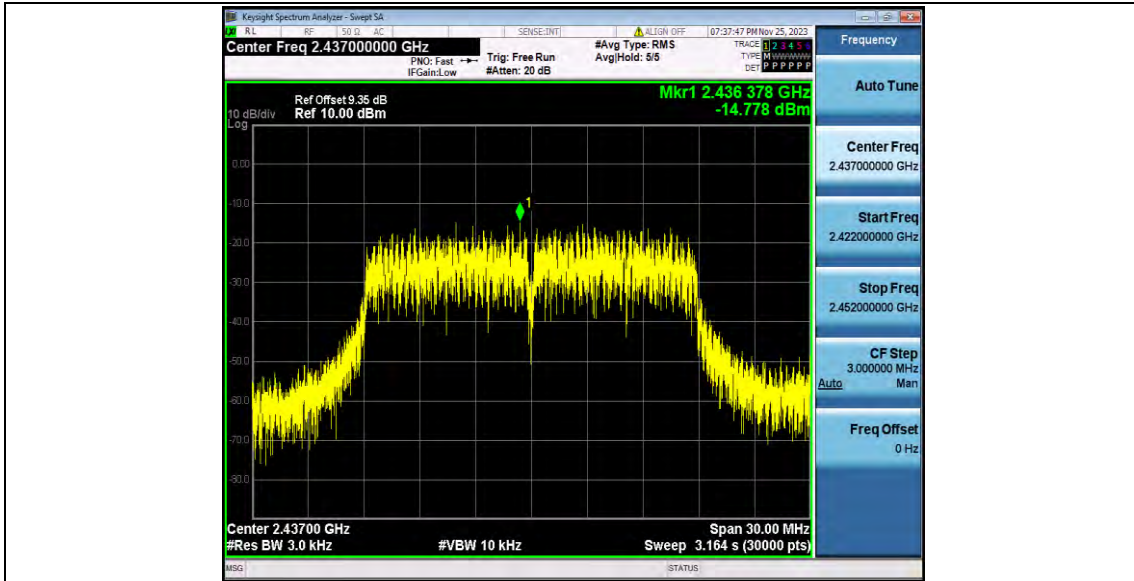
11G\_Ant1\_2437



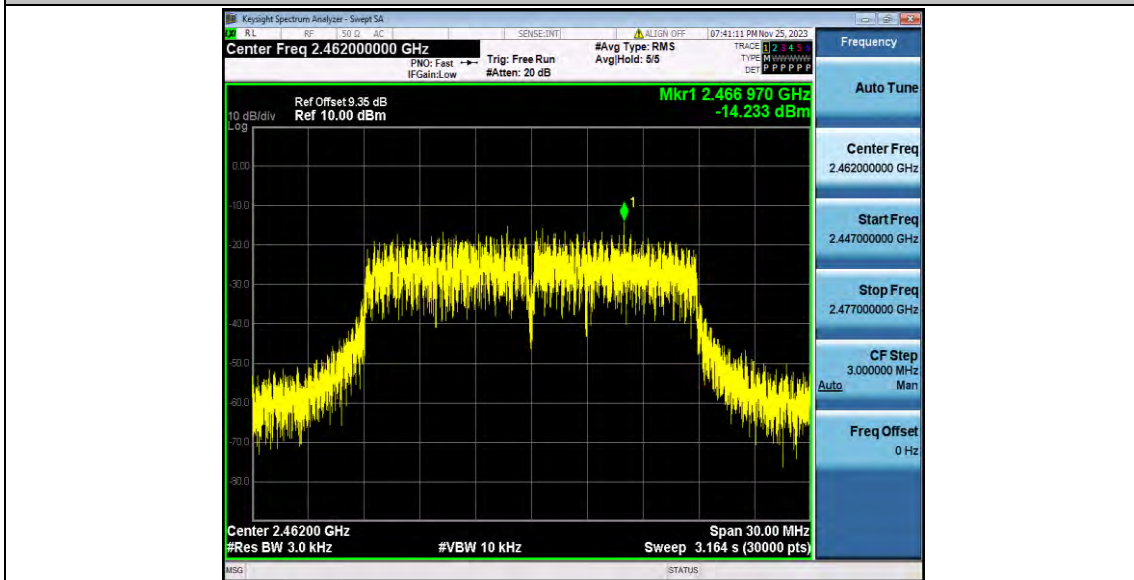
11G\_Ant1\_2462



11N20SISO\_Ant1\_2412



11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462

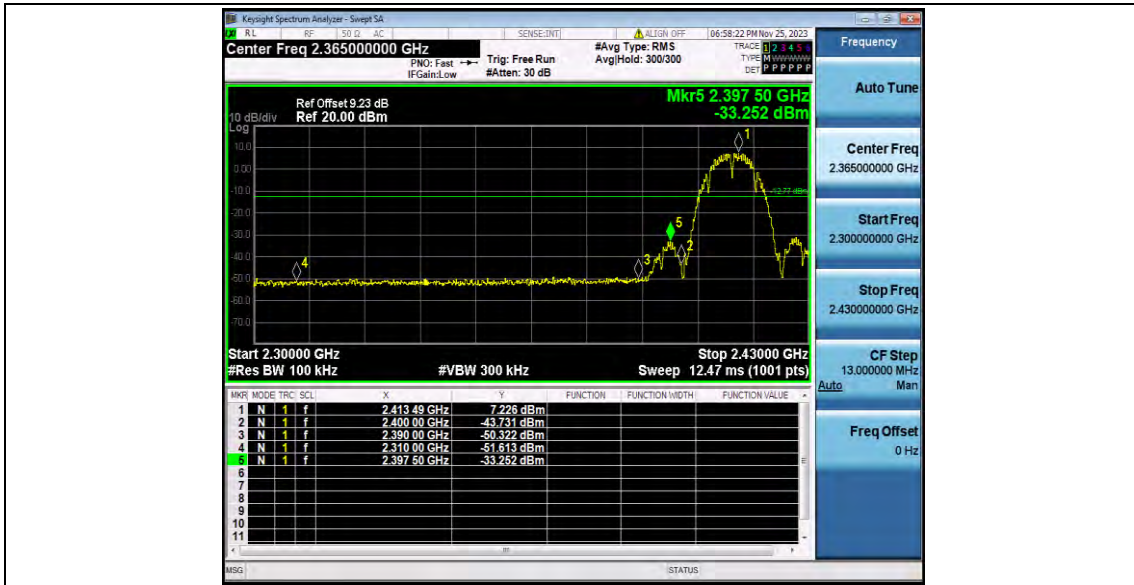


## Appendix B.5: Band edge measurements

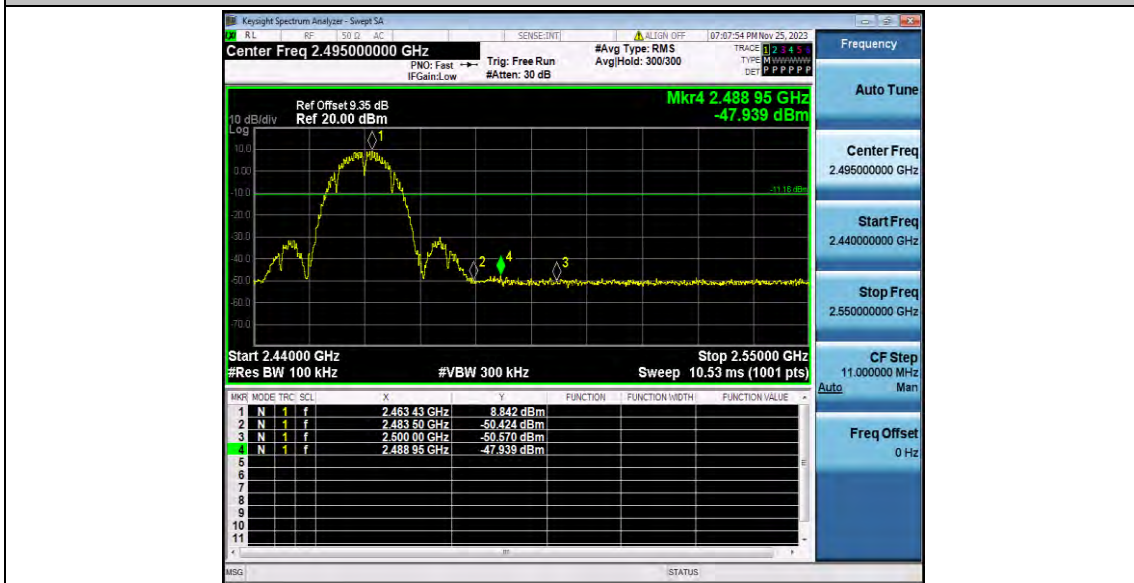
### Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	7.23	-33.25	$\leq -12.77$	PASS
		High	2462	8.84	-47.94	$\leq -11.16$	PASS
11G	Ant1	Low	2412	1.52	-32.78	$\leq -18.48$	PASS
		High	2462	2.66	-39.45	$\leq -17.34$	PASS
11N20SISO	Ant1	Low	2412	0.31	-34.69	$\leq -19.69$	PASS
		High	2462	0.52	-41.43	$\leq -19.48$	PASS

## Test Graphs



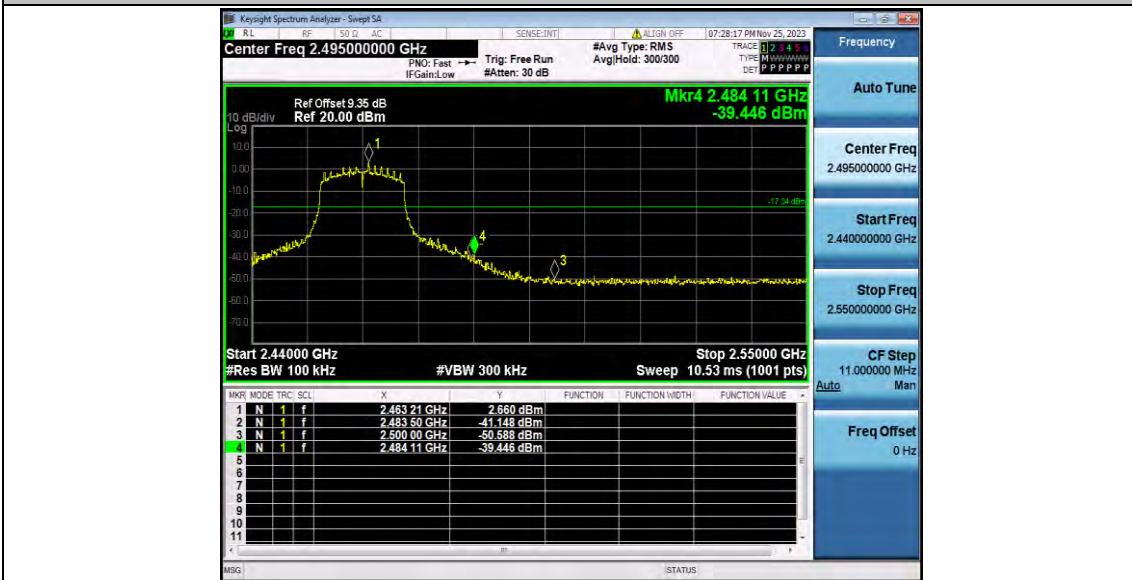
11B\_Ant1\_Low\_2412



11B\_Ant1\_High\_2462



11G\_Ant1\_Low\_2412



11G\_Ant1\_High\_2462





## Appendix B.6: Conducted Spurious Emission

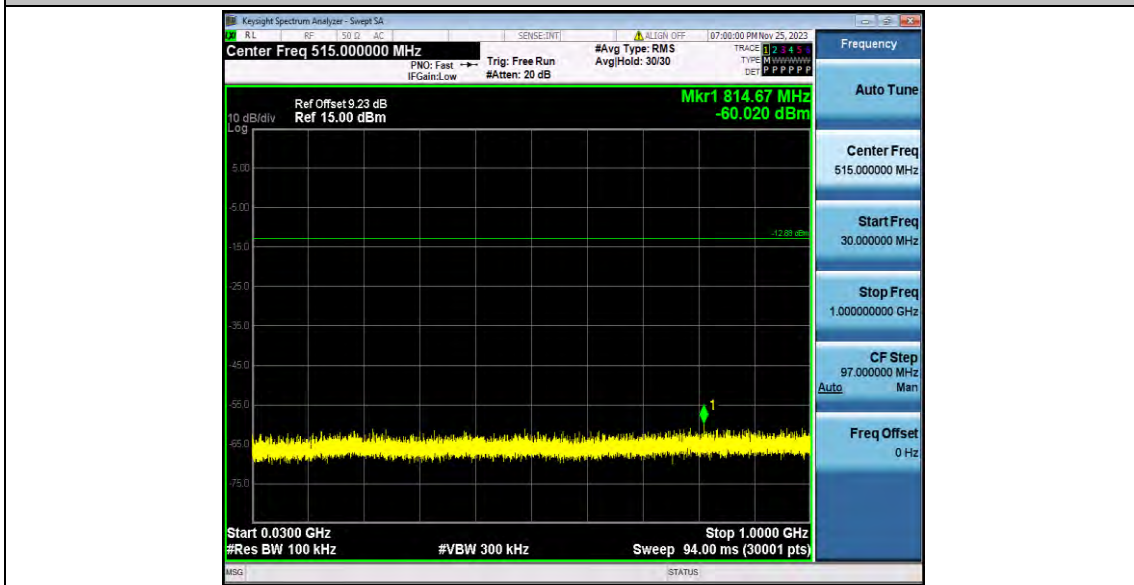
### Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	7.12	7.12	---	PASS
			30~1000	7.12	-60.02	$\leq -12.88$	PASS
			1000~26500	7.12	-47.17	$\leq -12.88$	PASS
		2437	Reference	7.36	7.36	---	PASS
			30~1000	7.36	-60.21	$\leq -12.64$	PASS
			1000~26500	7.36	-47.41	$\leq -12.64$	PASS
		2462	Reference	7.18	7.18	---	PASS
			30~1000	7.18	-60.11	$\leq -12.82$	PASS
			1000~26500	7.18	-46.06	$\leq -12.82$	PASS
11G	Ant1	2412	Reference	-0.89	-0.89	---	PASS
			30~1000	-0.89	-60.74	$\leq -20.89$	PASS
			1000~26500	-0.89	-47.78	$\leq -20.89$	PASS
		2437	Reference	-1.21	-1.21	---	PASS
			30~1000	-1.21	-59.74	$\leq -21.21$	PASS
			1000~26500	-1.21	-47	$\leq -21.21$	PASS
		2462	Reference	1.31	1.31	---	PASS
			30~1000	1.31	-60.06	$\leq -18.69$	PASS
			1000~26500	1.31	-47.15	$\leq -18.69$	PASS
11N20SISO	Ant1	2412	Reference	-0.86	-0.86	---	PASS
			30~1000	-0.86	-60.55	$\leq -20.86$	PASS
			1000~26500	-0.86	-47.21	$\leq -20.86$	PASS
		2437	Reference	-0.06	-0.06	---	PASS
			30~1000	-0.06	-59.22	$\leq -20.06$	PASS
			1000~26500	-0.06	-47.71	$\leq -20.06$	PASS
		2462	Reference	-0.29	-0.29	---	PASS
			30~1000	-0.29	-59.82	$\leq -20.29$	PASS
			1000~26500	-0.29	-47.62	$\leq -20.29$	PASS

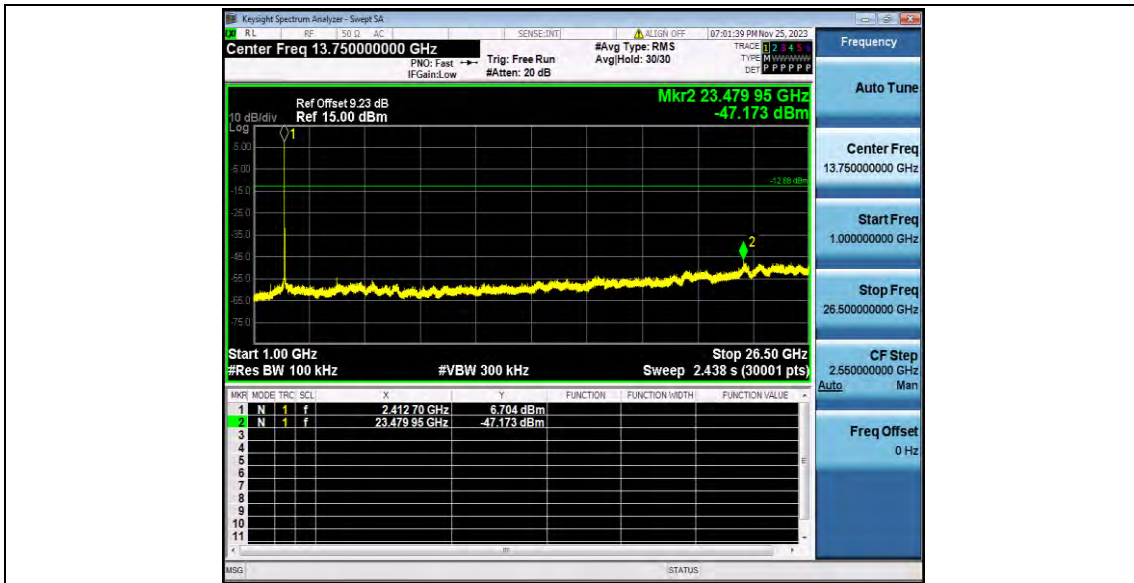
## Test Graphs



11B\_Ant1\_2412\_0~Reference



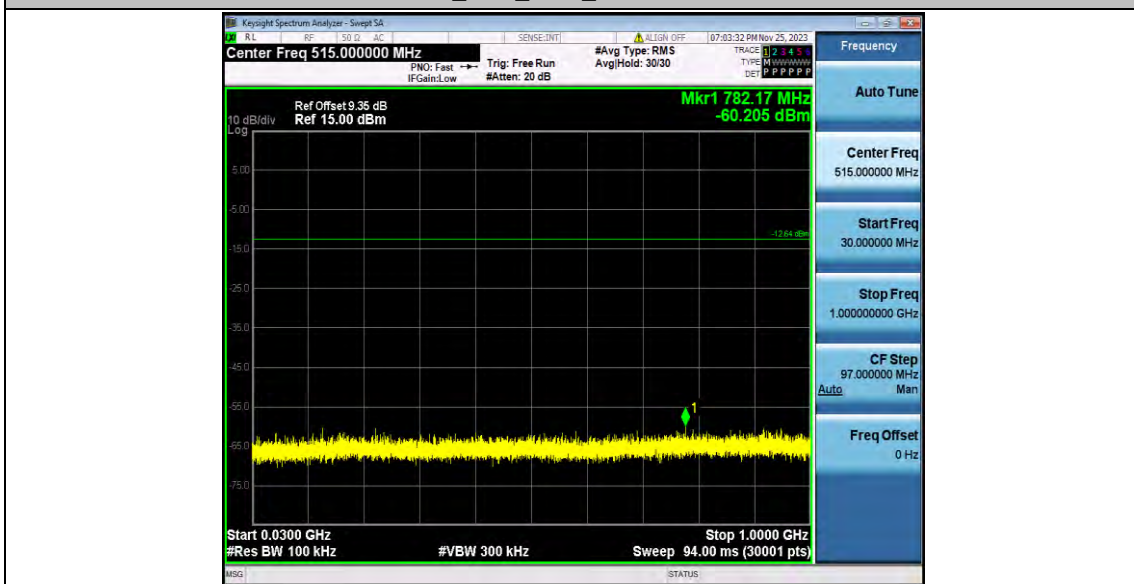
11B\_Ant1\_2412\_30~1000



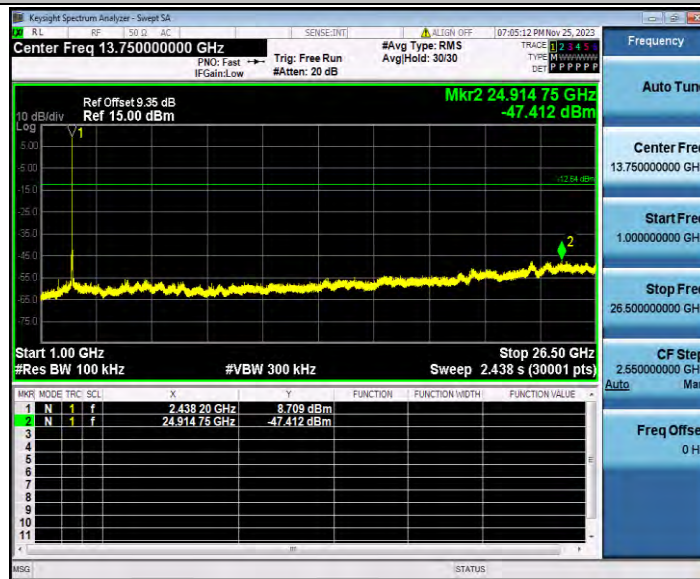
11B\_Ant1\_2412\_1000~26500



11B\_Ant1\_2437\_0~Reference



11B\_Ant1\_2437\_30~1000

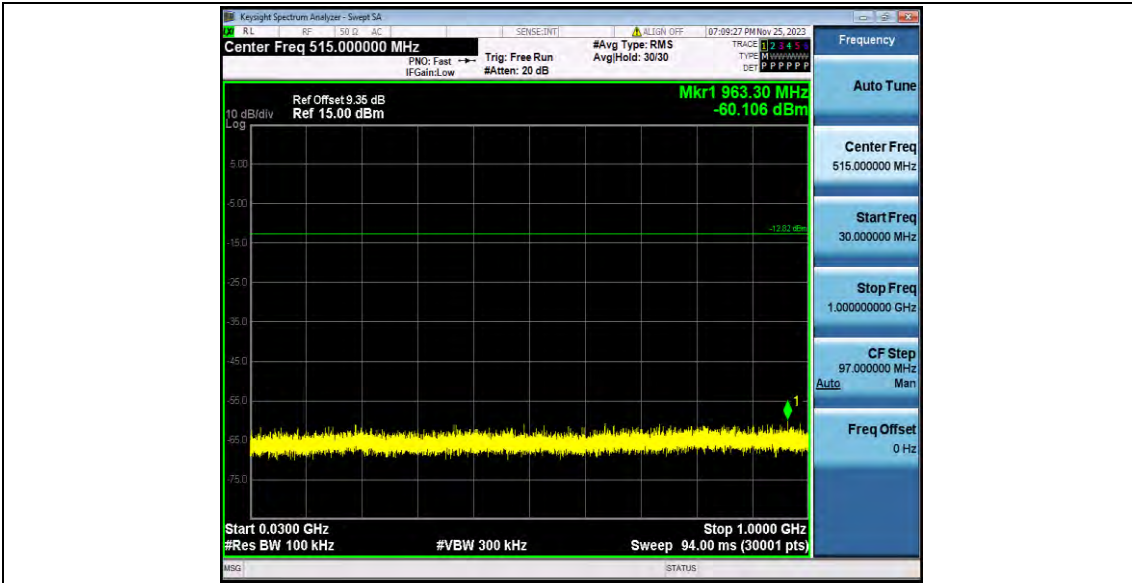


11B\_Ant1\_2437\_1000~26500

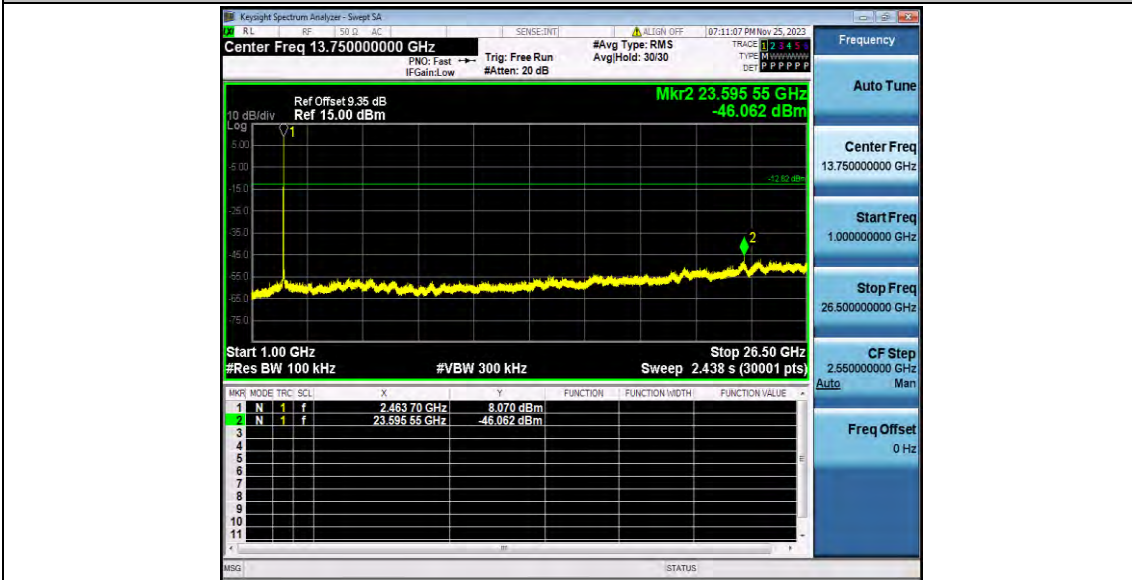


11B\_Ant1\_2462\_0~Reference





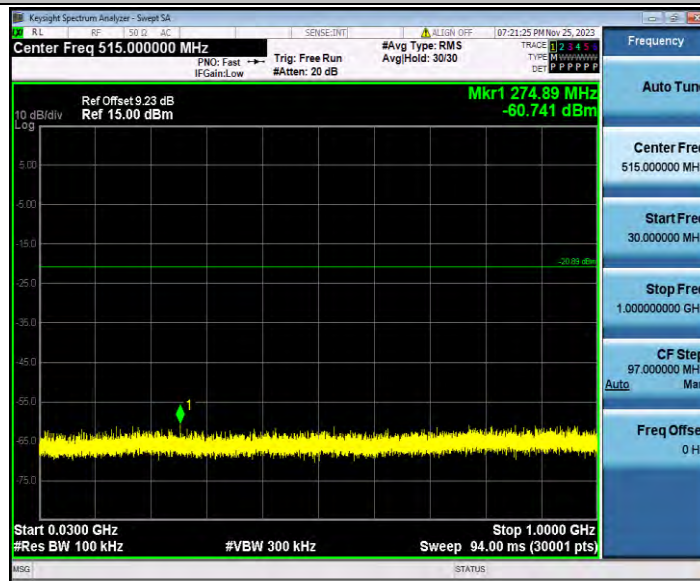
11B\_Ant1\_2462\_30~1000



11B\_Ant1\_2462\_1000~26500



11G\_Ant1\_2412\_0~Reference



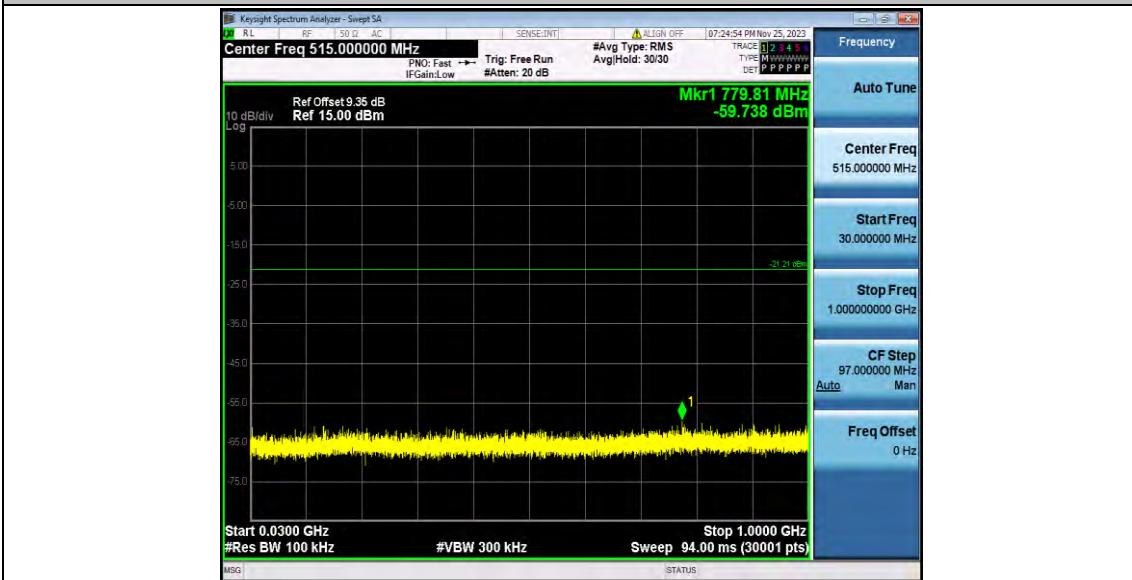
11G\_Ant1\_2412\_30~1000



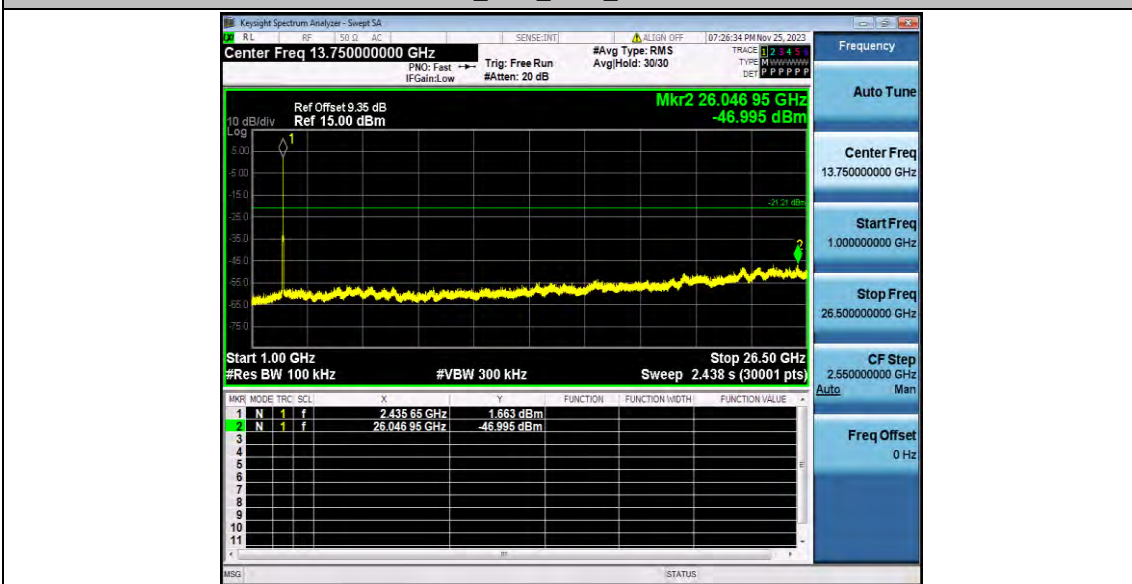
11G\_Ant1\_2412\_1000~26500



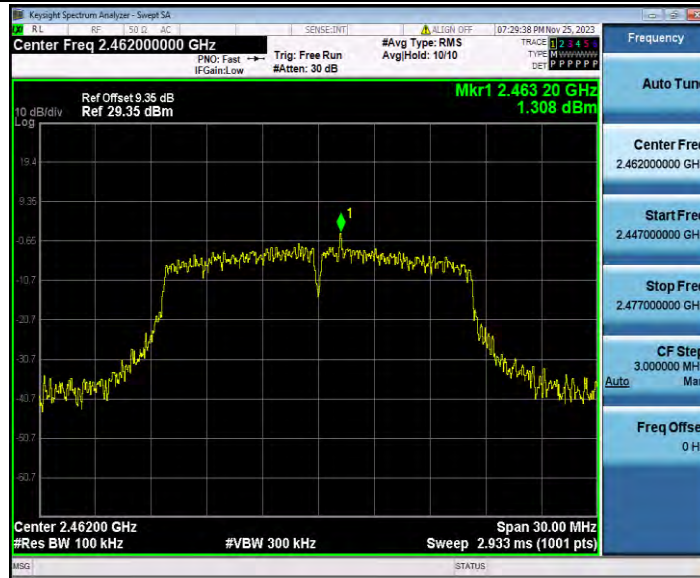
11G\_Ant1\_2437\_0~Reference



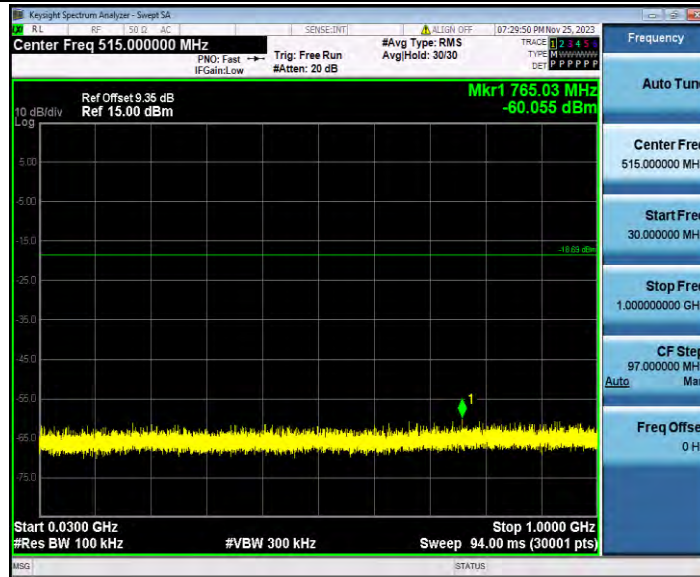
11G\_Ant1\_2437\_30~1000



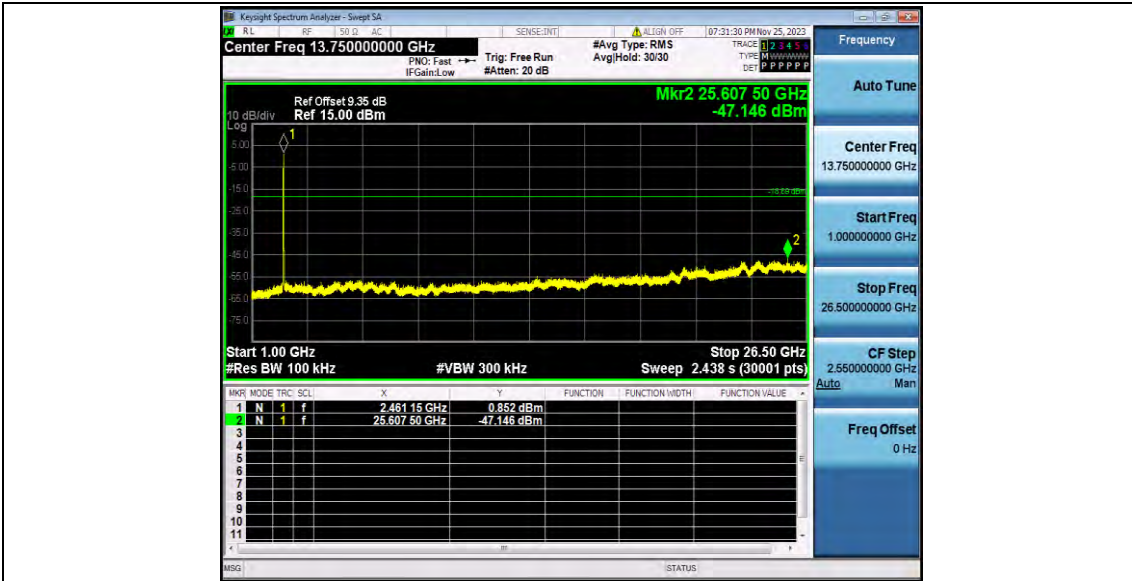
11G\_Ant1\_2437\_1000~26500



11G\_Ant1\_2462\_0~Reference



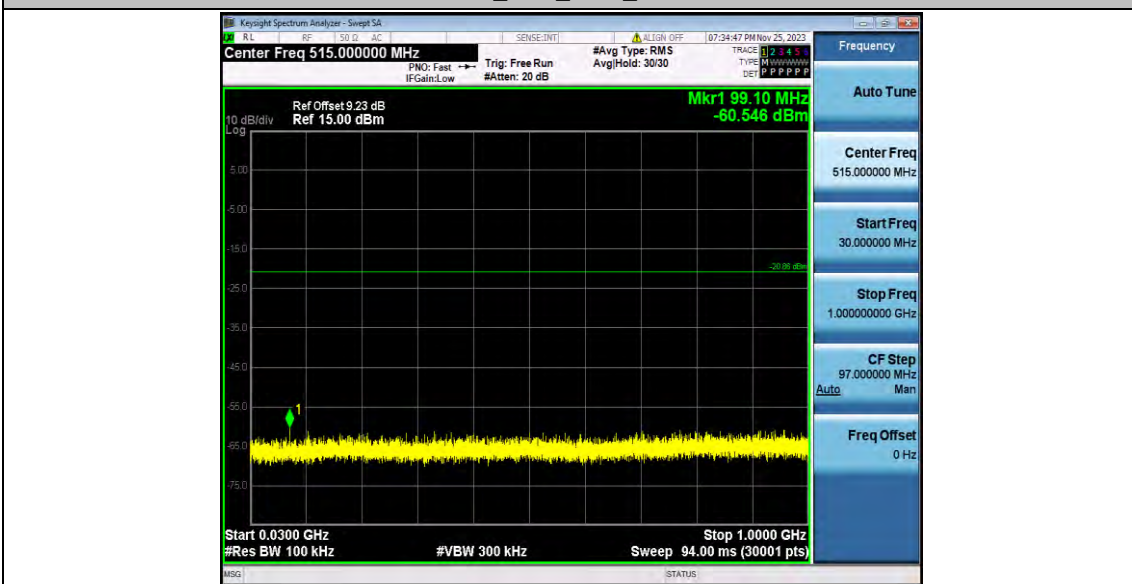
11G\_Ant1\_2462\_30~1000



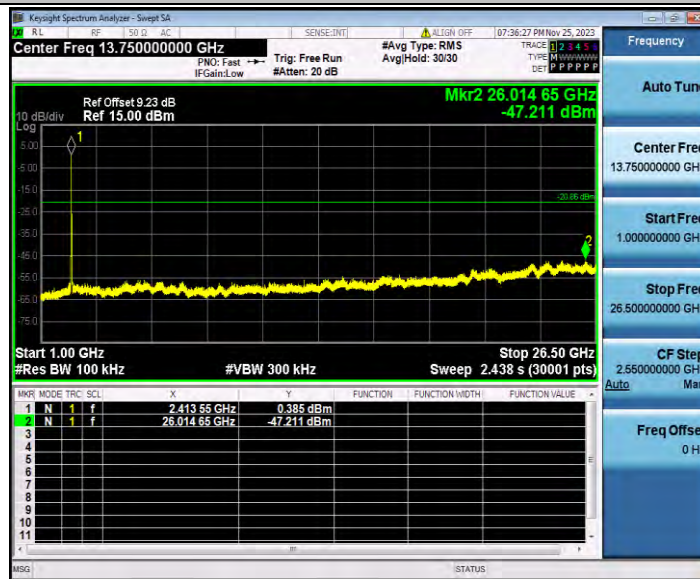
11G\_Ant1\_2462\_1000~26500



11N20SISO\_Ant1\_2412\_0~Reference



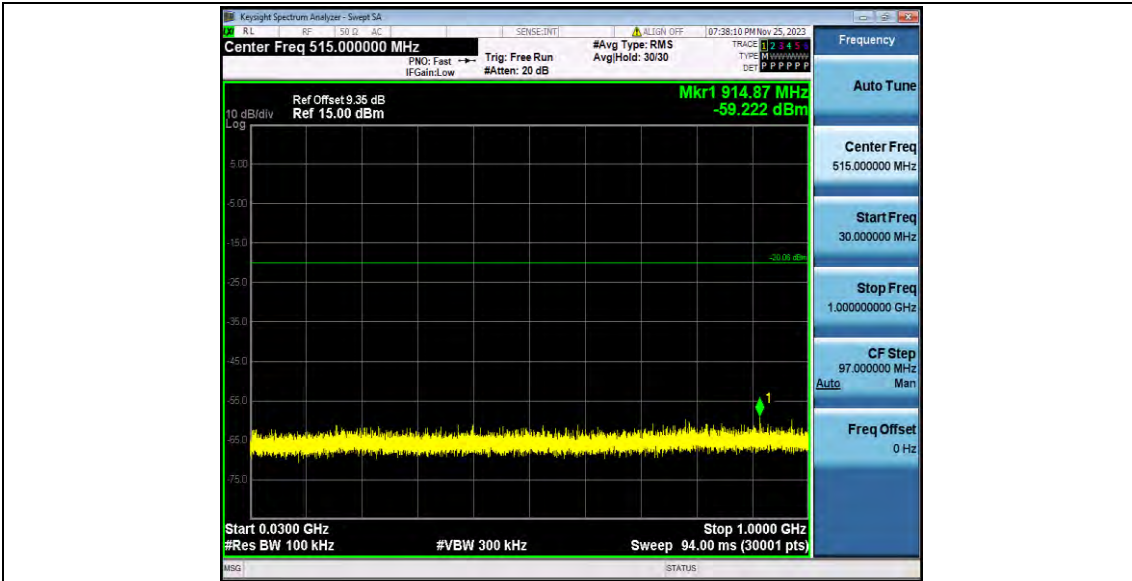
11N20SISO\_Ant1\_2412\_30~1000



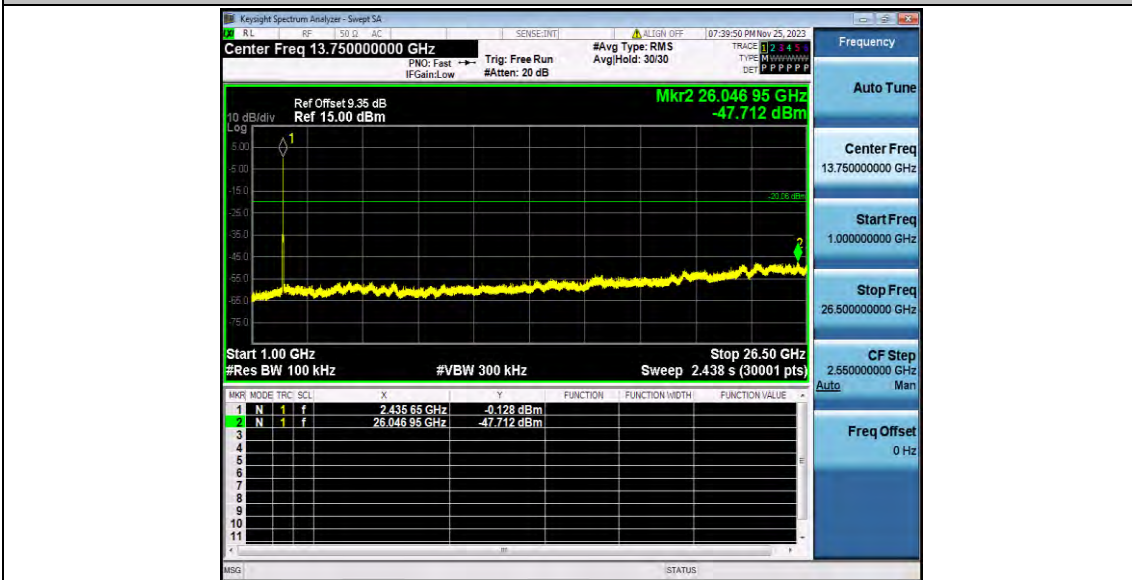
11N20SISO\_Ant1\_2412\_1000~26500



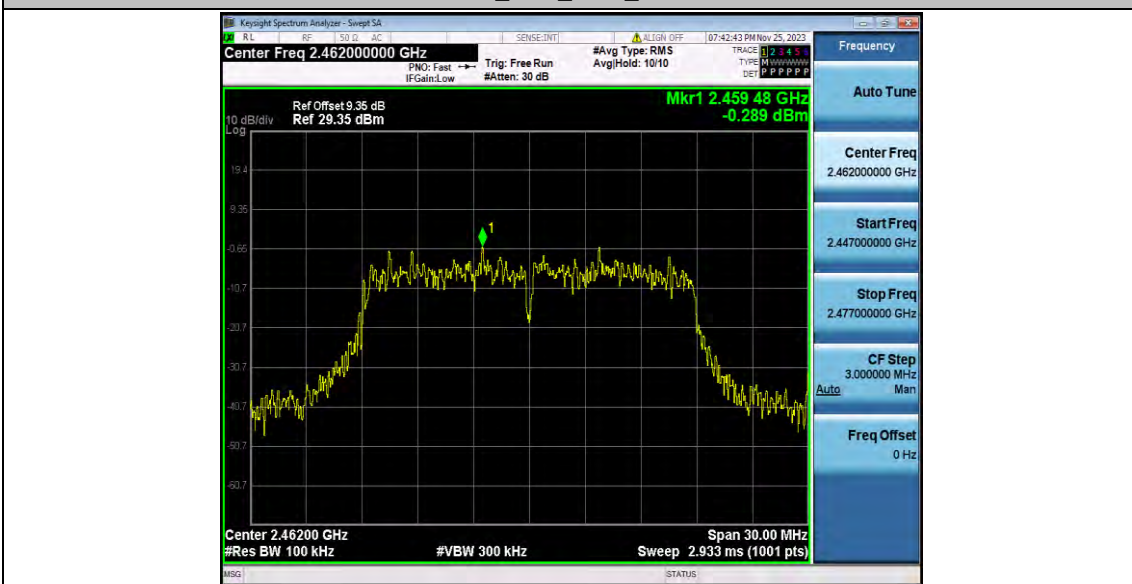
11N20SISO\_Ant1\_2437\_0~Reference



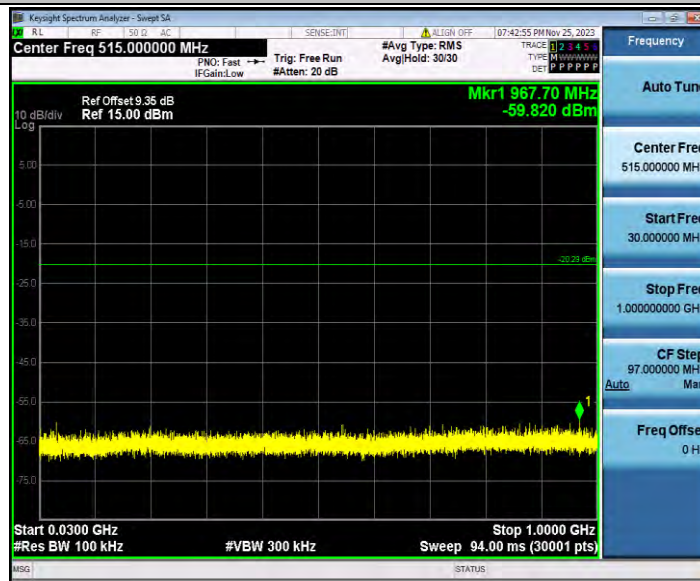
11N20SISO\_Ant1\_2437\_30~1000



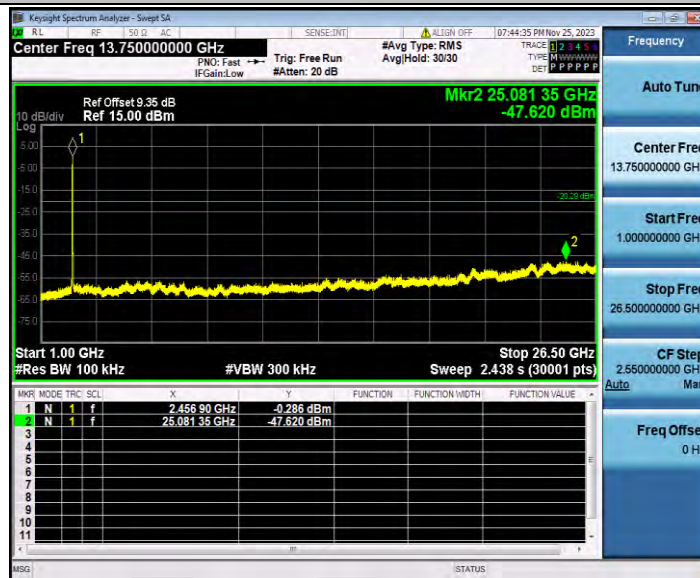
11N20SISO\_Ant1\_2437\_1000~26500



11N20SISO\_Ant1\_2462\_0~Reference



11N20SISO\_Ant1\_2462\_30~1000



11N20SISO\_Ant1\_2462\_1000~26500



## Appendix B.7: Emissions in Restricted Bands

### Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11B	Ant1	Low	2412	AV	2310.000	-48.99	≤-41.20	46.21	≤54	PASS
				AV	2386.320	-47.4	≤-41.20	47.80	≤54	PASS
				AV	2390.000	-47.79	≤-41.20	47.41	≤54	PASS
				Peak	2310.000	-45.73	≤-21.20	49.47	≤74	PASS
				Peak	2377.740	-39.4	≤-21.20	55.80	≤74	PASS
				Peak	2390.000	-46.51	≤-21.20	48.69	≤74	PASS
		High	2462	AV	2483.500	-46.85	≤-41.20	48.35	≤54	PASS
				AV	2487.080	-46.26	≤-41.20	48.94	≤54	PASS
				AV	2500.000	-47.68	≤-41.20	47.52	≤54	PASS
				Peak	2483.500	-45.97	≤-21.20	49.23	≤74	PASS
				Peak	2486.640	-39.31	≤-21.20	55.89	≤74	PASS
				Peak	2500.000	-44.48	≤-21.20	50.72	≤74	PASS
11G	Ant1	Low	2412	AV	2310.000	-49.24	≤-41.20	45.96	≤54	PASS
				AV	2389.960	-41.97	≤-41.20	53.23	≤54	PASS
				AV	2390.000	-41.97	≤-41.20	53.23	≤54	PASS
				Peak	2310.000	-45.94	≤-21.20	49.26	≤74	PASS
				Peak	2385.670	-35.45	≤-21.20	59.75	≤74	PASS
				Peak	2390.000	-37.81	≤-21.20	57.39	≤74	PASS
		High	2462	AV	2483.500	-41.49	≤-41.20	53.71	≤54	PASS
				AV	2483.560	-41.6	≤-41.20	53.60	≤54	PASS
				AV	2500.000	-48.45	≤-41.20	46.75	≤54	PASS
				Peak	2483.500	-40.92	≤-21.20	54.28	≤74	PASS
				Peak	2483.890	-37.38	≤-21.20	57.82	≤74	PASS
				Peak	2500.000	-45.93	≤-21.20	49.27	≤74	PASS
11N20SIS O	Ant1	Low	2412	AV	2310.000	-49.27	≤-41.20	45.93	≤54	PASS
				AV	2389.960	-43.42	≤-41.20	51.78	≤54	PASS
				AV	2390.000	-43.42	≤-41.20	51.78	≤54	PASS
				Peak	2310.000	-48.34	≤-21.20	46.86	≤74	PASS
				Peak	2389.310	-33.24	≤-21.20	61.96	≤74	PASS
				Peak	2390.000	-43	≤-21.20	52.20	≤74	PASS
		High	2462	AV	2483.500	-43.71	≤-41.20	51.49	≤54	PASS
				AV	2483.560	-43.83	≤-41.20	51.37	≤54	PASS
				AV	2500.000	-48.52	≤-41.20	46.68	≤54	PASS
				Peak	2483.500	-47.38	≤-21.20	47.82	≤74	PASS
				Peak	2495.770	-38.62	≤-21.20	56.58	≤74	PASS
				Peak	2495.770	-38.62	≤-21.20	56.58	≤74	PASS

				Peak	2500.000	-43.42	≤-21.20	51.78	≤74	PASS
--	--	--	--	------	----------	--------	---------	-------	-----	------

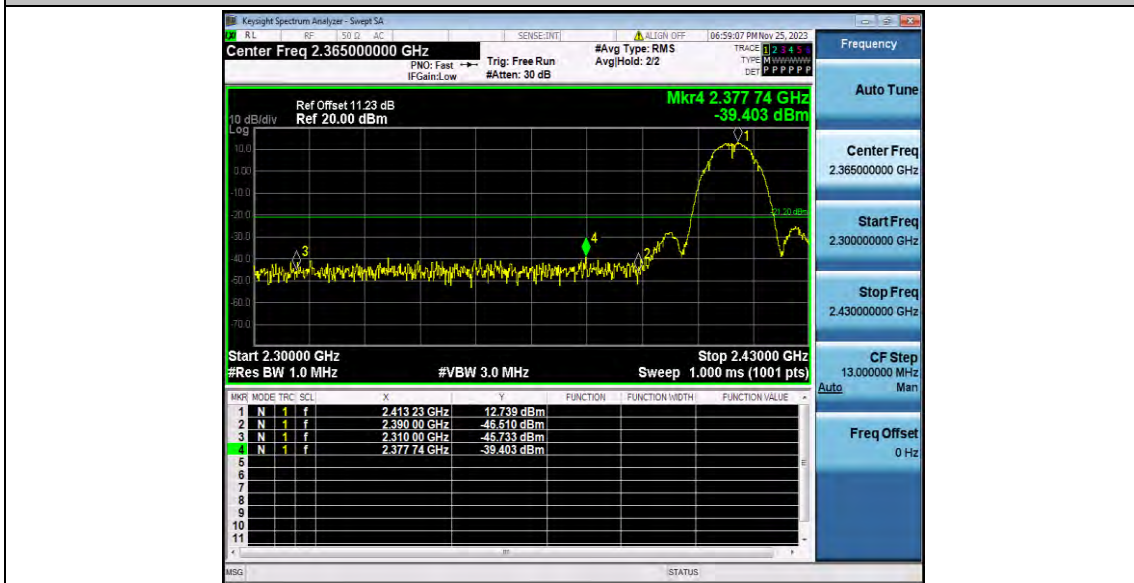
Note:

1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

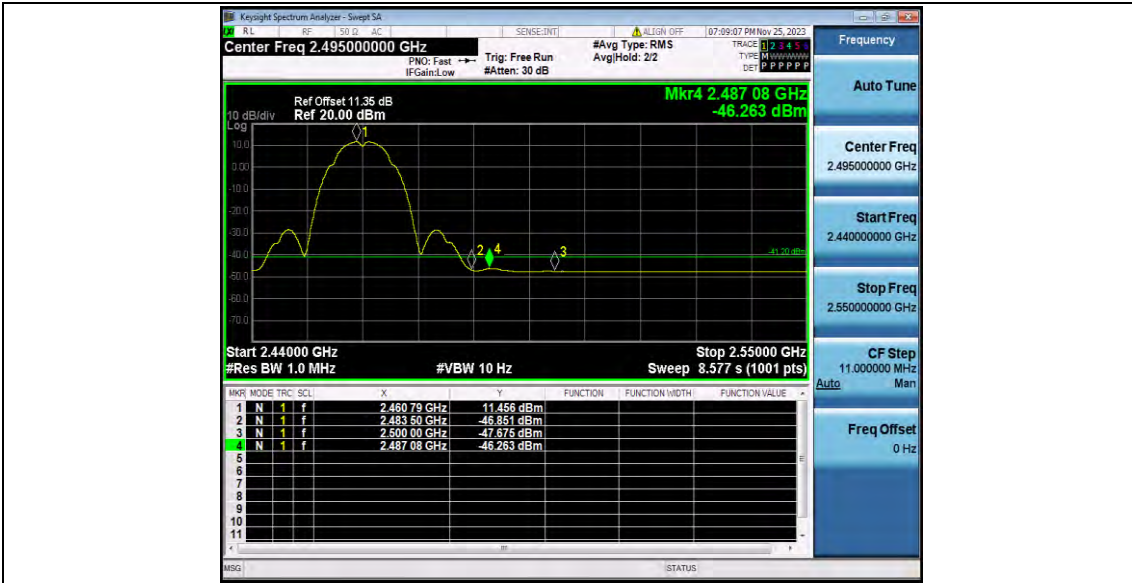
## Test Graphs



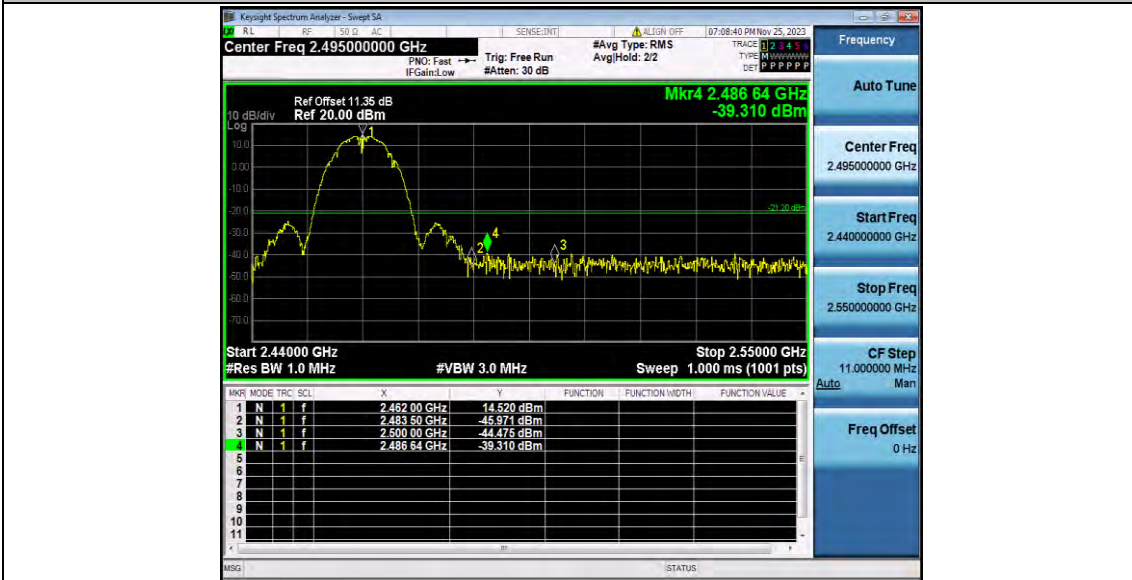
11B\_Ant1\_Low\_2412\_AV



11B\_Ant1\_Low\_2412\_Peak



11B\_Ant1\_High\_2462\_AV



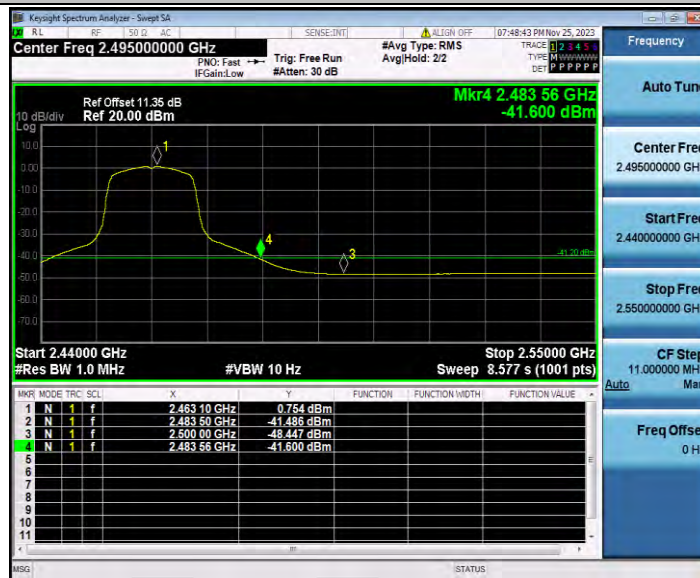
11B\_Ant1\_High\_2462\_Peak



11G\_Ant1\_Low\_2412\_AV



11G\_Ant1\_Low\_2412\_Peak



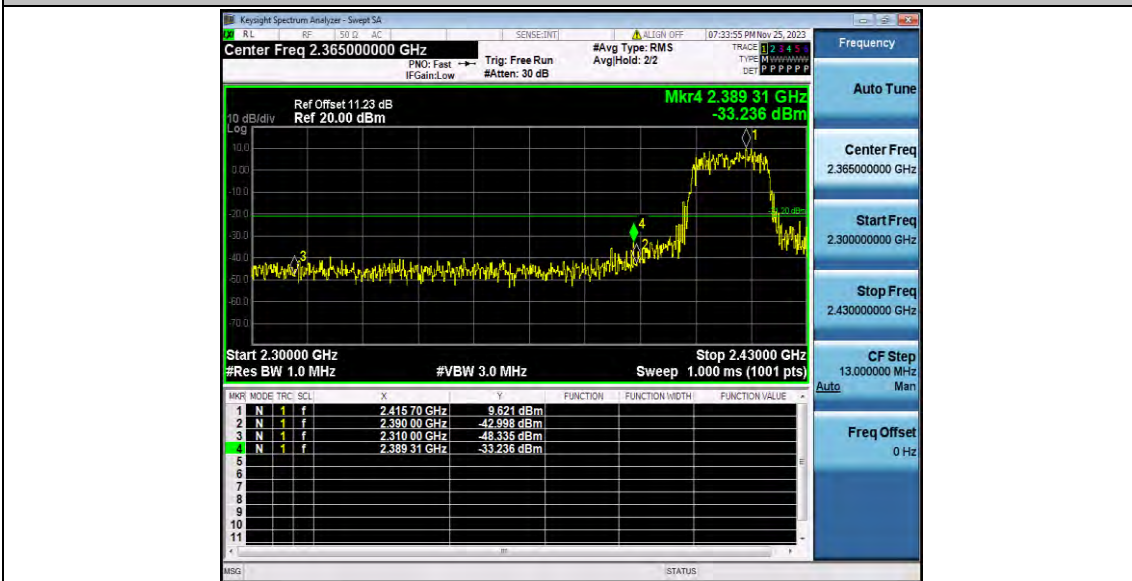
11G\_Ant1\_High\_2462\_AV



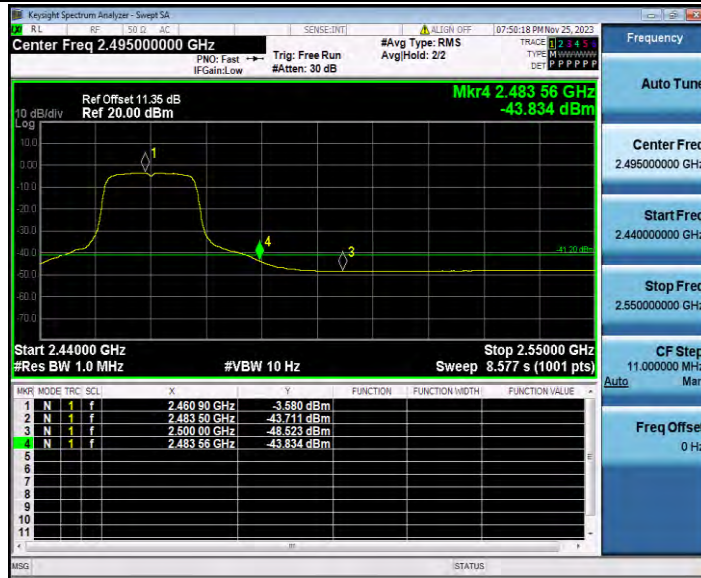
11G\_Ant1\_High\_2462\_Peak



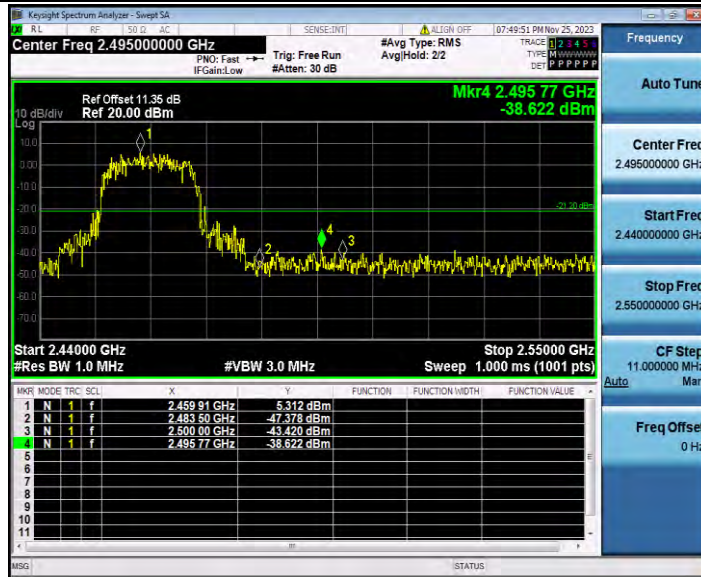
11N20SISO\_Ant1\_Low\_2412\_AV



11N20SISO\_Ant1\_Low\_2412\_Peak



11N20SISO\_Ant1\_High\_2462\_AV



11N20SISO\_Ant1\_High\_2462\_Peak