

<b>Case No. :</b> <u>GTS20250714017-1-01</u>
<b>Ambient Condition:</b> <u>21 °C, 53 %RH,</u>
<b>Test Date:</b> <u>2025.7.17</u> <b>Test Engineer:</b> <u>Evan ouyang</u>

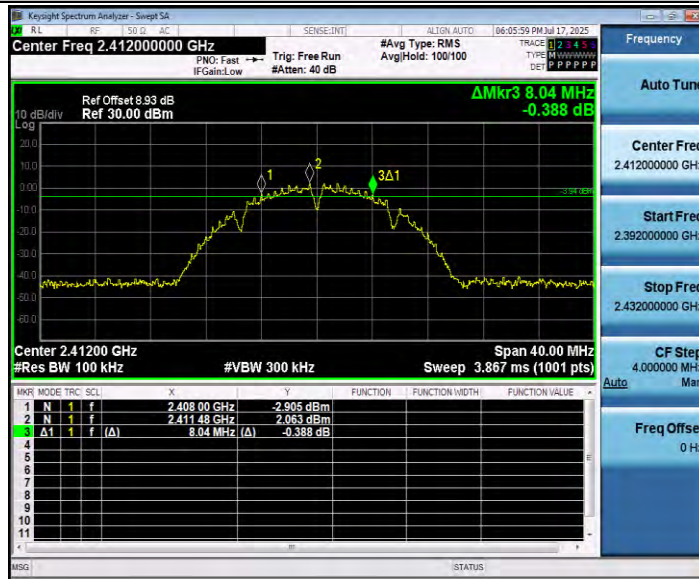
## Appendix A.1: DTS Bandwidth

### Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.040	2408.000	2416.040	0.5	PASS
		2437	7.520	2433.480	2441.000	0.5	PASS
		2462	8.520	2457.960	2466.480	0.5	PASS
11G	Ant1	2412	15.960	2404.200	2420.160	0.5	PASS
		2437	16.040	2429.120	2445.160	0.5	PASS
		2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant1	2412	15.960	2404.440	2420.400	0.5	PASS
		2437	13.840	2430.680	2444.520	0.5	PASS
		2462	15.040	2454.480	2469.520	0.5	PASS
11N40SISO	Ant1	2422	35.120	2404.480	2439.600	0.5	PASS
		2437	35.040	2419.480	2454.520	0.5	PASS
		2452	35.120	2434.480	2469.600	0.5	PASS

## Test Graphs

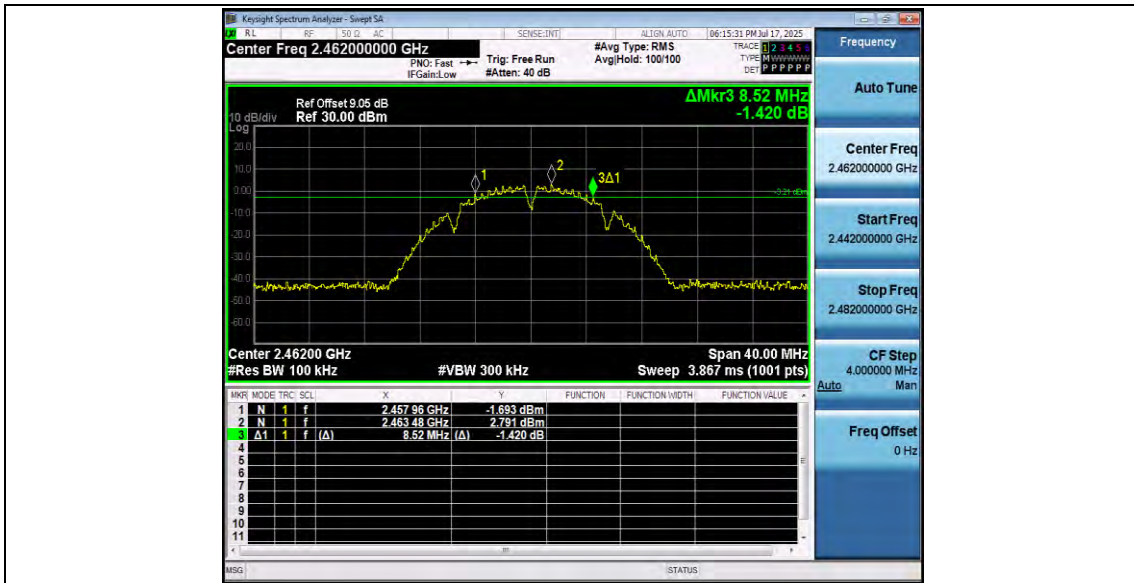
11B\_Ant1\_2412



11B\_Ant1\_2437



11B\_Ant1\_2462



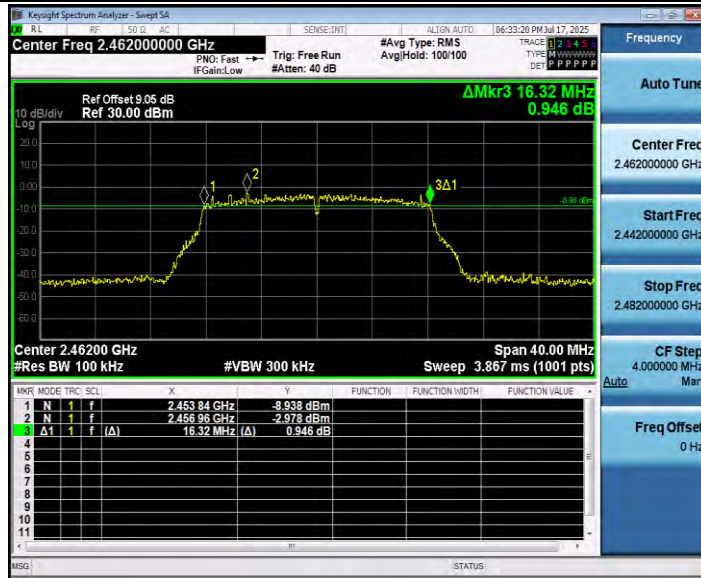
11G\_Ant1\_2412



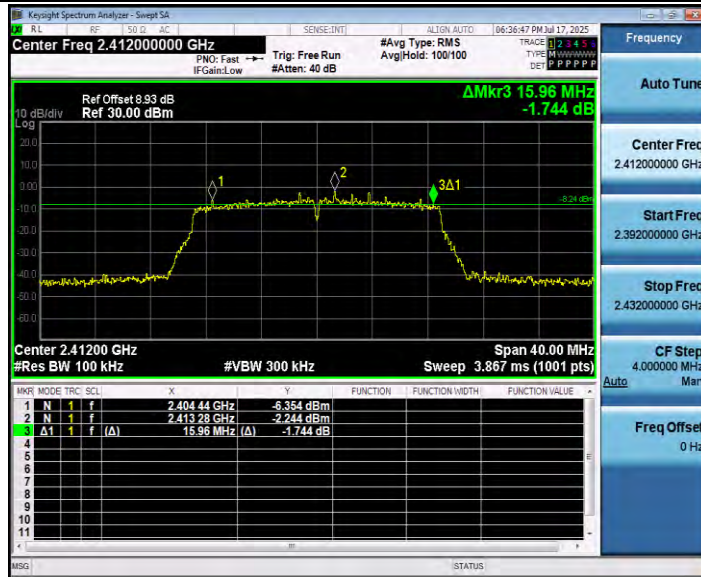
11G\_Ant1\_2437



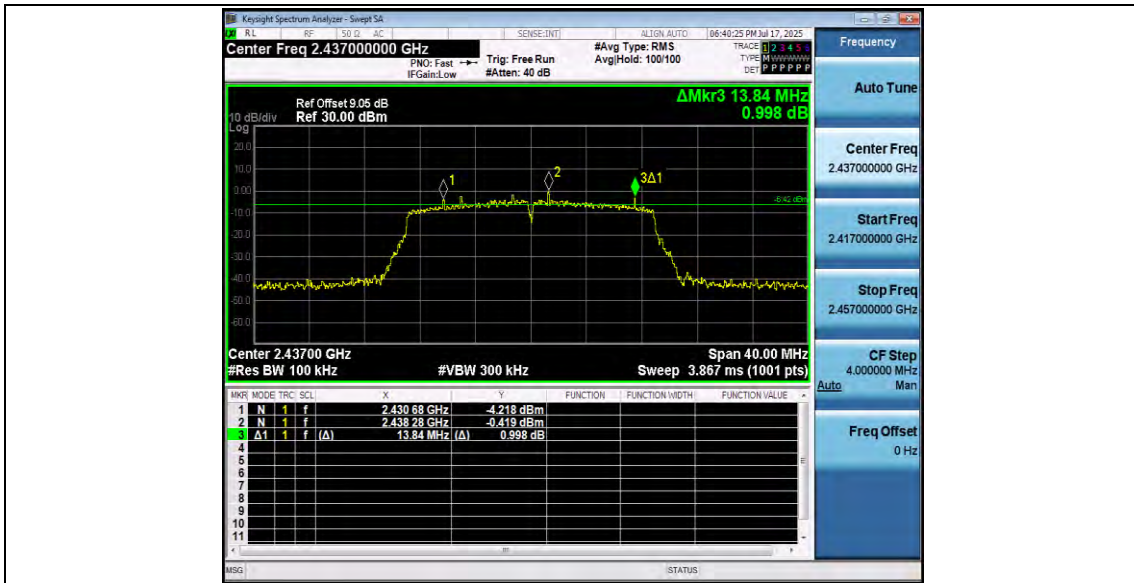
11G\_Ant1\_2462



11N20SISO\_Ant1\_2412



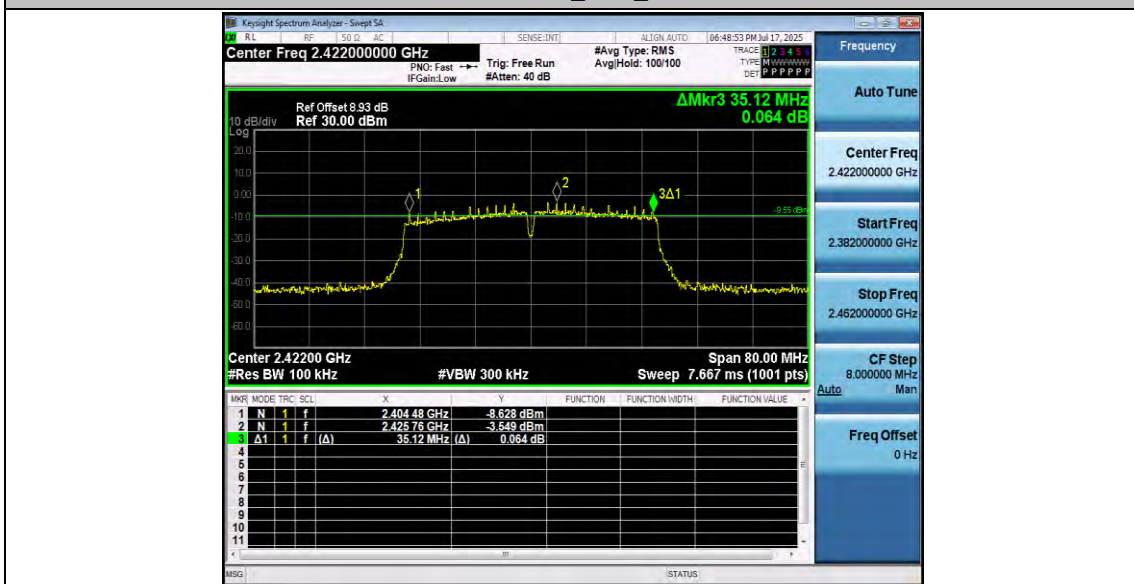
11N20SISO\_Ant1\_2437



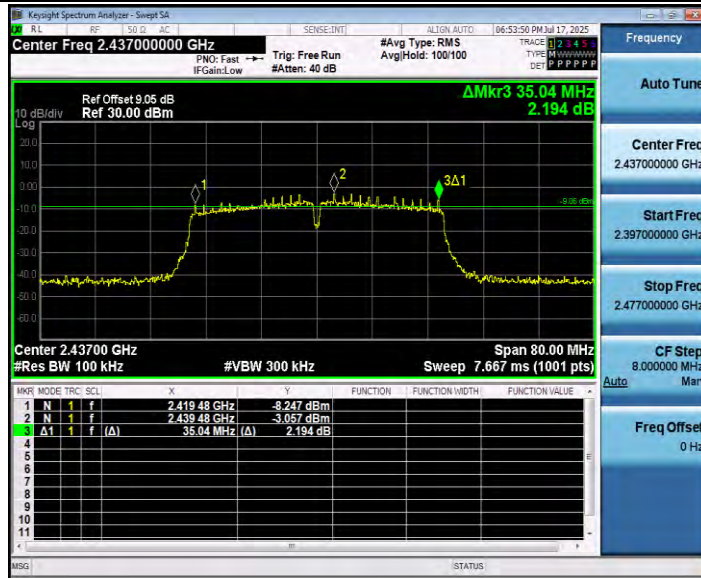
11N20SISO\_Ant1\_2462



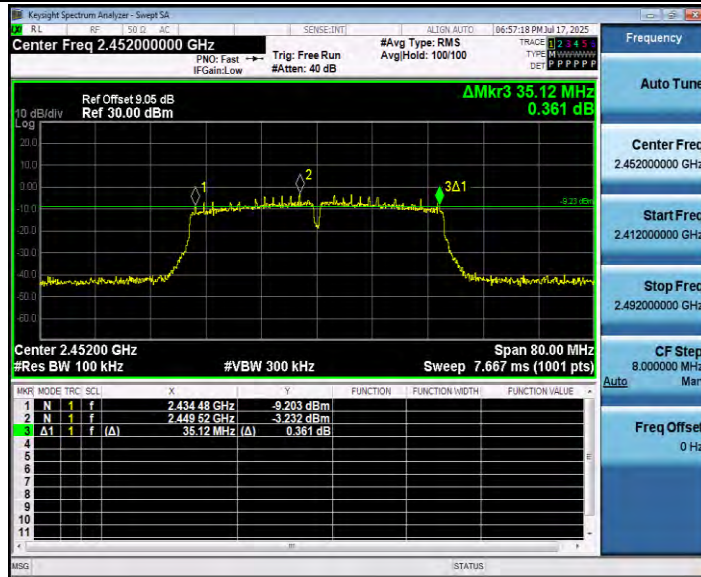
11N40SISO\_Ant1\_2422



11N40SISO\_Ant1\_2437



11N40SISO\_Ant1\_2452



## Appendix A.2: Occupied Channel Bandwidth

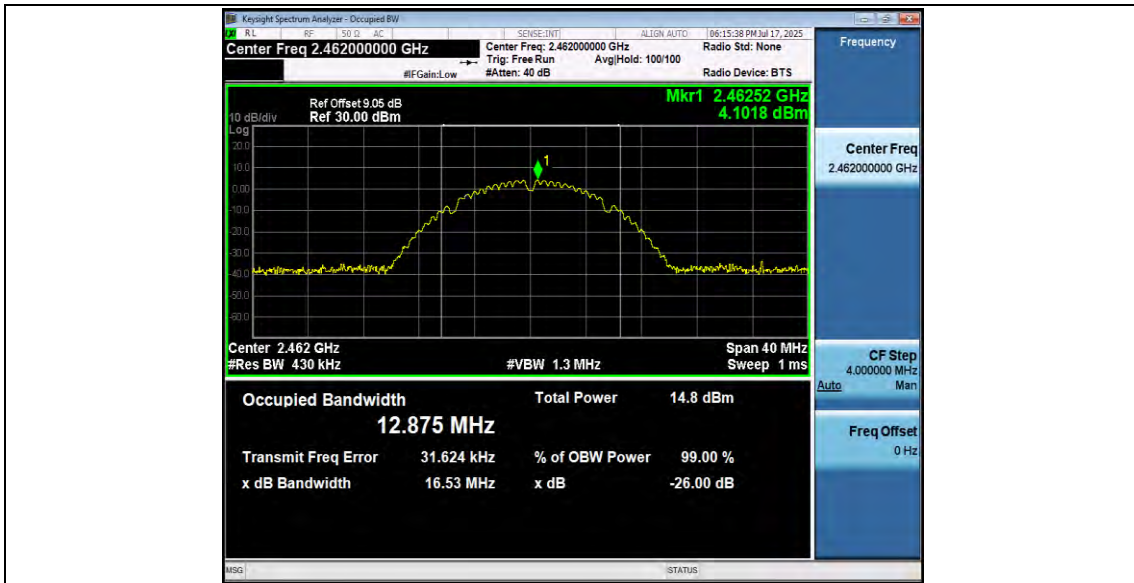
### Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.984	2405.5747	2418.5587	---	---
		2437	12.872	2430.6138	2443.4858	---	---
		2462	12.875	2455.5941	2468.4691	---	---
11G	Ant1	2412	16.818	2403.6294	2420.4474	---	---
		2437	16.761	2428.6693	2445.4303	---	---
		2462	16.914	2453.5718	2470.4858	---	---
11N20SISO	Ant1	2412	17.820	2403.1328	2420.9528	---	---
		2437	17.769	2428.1411	2445.9101	---	---
		2462	17.846	2453.0969	2470.9429	---	---
11N40SISO	Ant1	2422	36.119	2404.1107	2440.2297	---	---
		2437	36.042	2419.0853	2455.1273	---	---
		2452	36.163	2434.0383	2470.2013	---	---

## Test Graphs







11G\_Ant1\_2412



11G\_Ant1\_2437



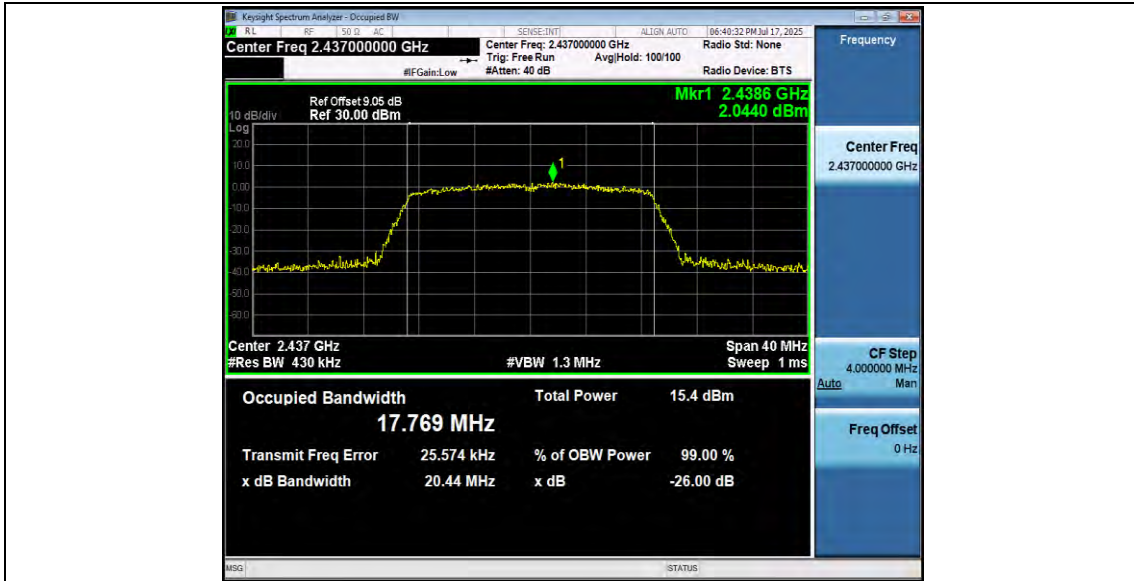
11G\_Ant1\_2462



11N20SISO\_Ant1\_2412



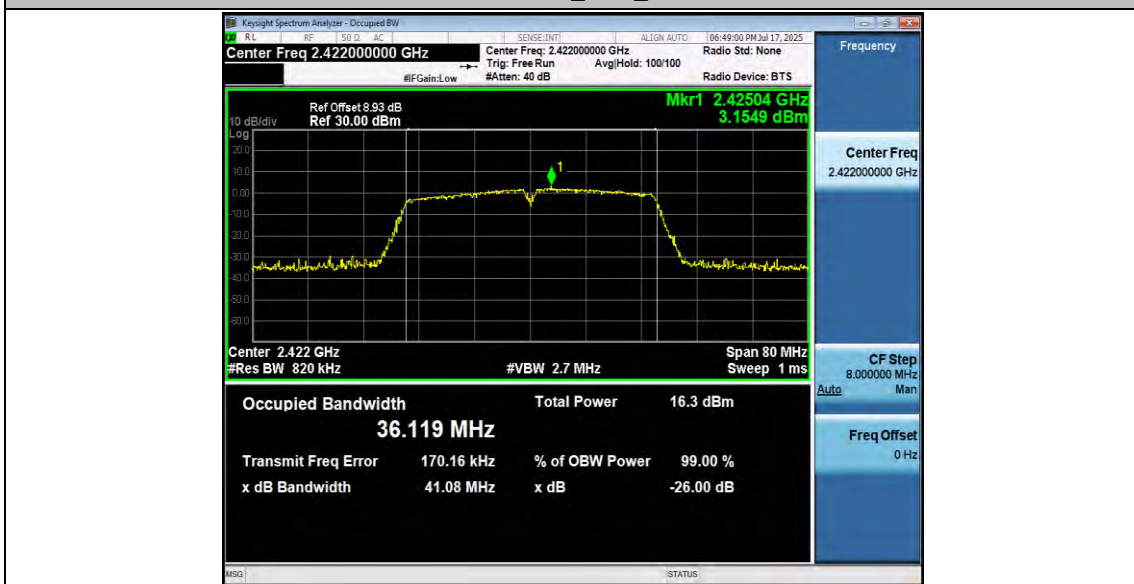
11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462



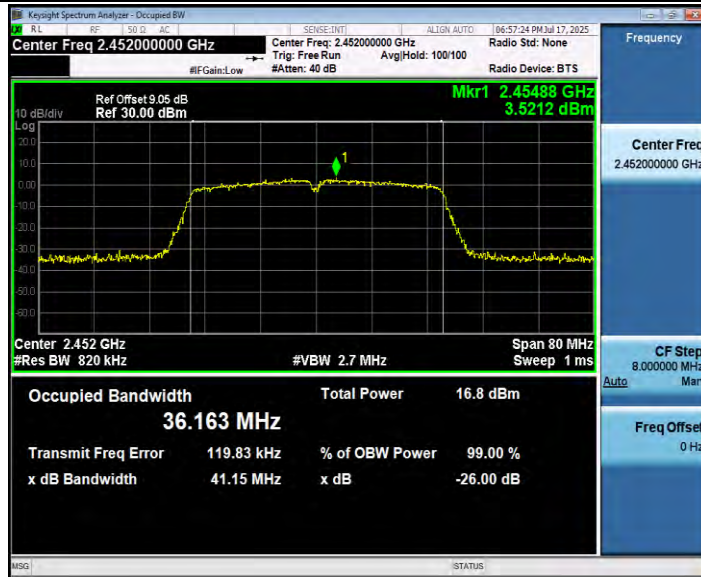
11N40SISO\_Ant1\_2422



11N40SISO\_Ant1\_2437



11N40SISO\_Ant1\_2452



### Appendix A.3: Maximum conducted output power

Test Mode	Antenna	Frequency [MHz]	Set Power	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	---	13.56	≤30.00	PASS
		2437	---	14.62	≤30.00	PASS
		2462	---	14.82	≤30.00	PASS
11G	Ant1	2412	---	17.61	≤30.00	PASS
		2437	---	16.84	≤30.00	PASS
		2462	---	16.86	≤30.00	PASS
11N20SI SO	Ant1	2412	---	15.61	≤30.00	PASS
		2437	---	16.64	≤30.00	PASS
		2462	---	16.76	≤30.00	PASS
11N40SI SO	Ant1	2422	---	16.77	≤30.00	PASS
		2437	---	17.25	≤30.00	PASS
		2452	---	17.16	≤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	-11.87	≤8.00	PASS
		2437	-10.94	≤8.00	PASS
		2462	-10.69	≤8.00	PASS
11G	Ant1	2412	-14.70	≤8.00	PASS
		2437	-15.51	≤8.00	PASS
		2462	-13.87	≤8.00	PASS
11N20SISO	Ant1	2412	-16.80	≤8.00	PASS
		2437	-15.35	≤8.00	PASS
		2462	-15.61	≤8.00	PASS
11N40SISO	Ant1	2422	-17.24	≤8.00	PASS
		2437	-17.00	≤8.00	PASS
		2452	-18.05	≤8.00	PASS

Note:

1. The Duty Cycle Factor and RBW Factor is compensated in the graph.

## Test Graphs

11B\_Ant1\_2412



11B\_Ant1\_2437



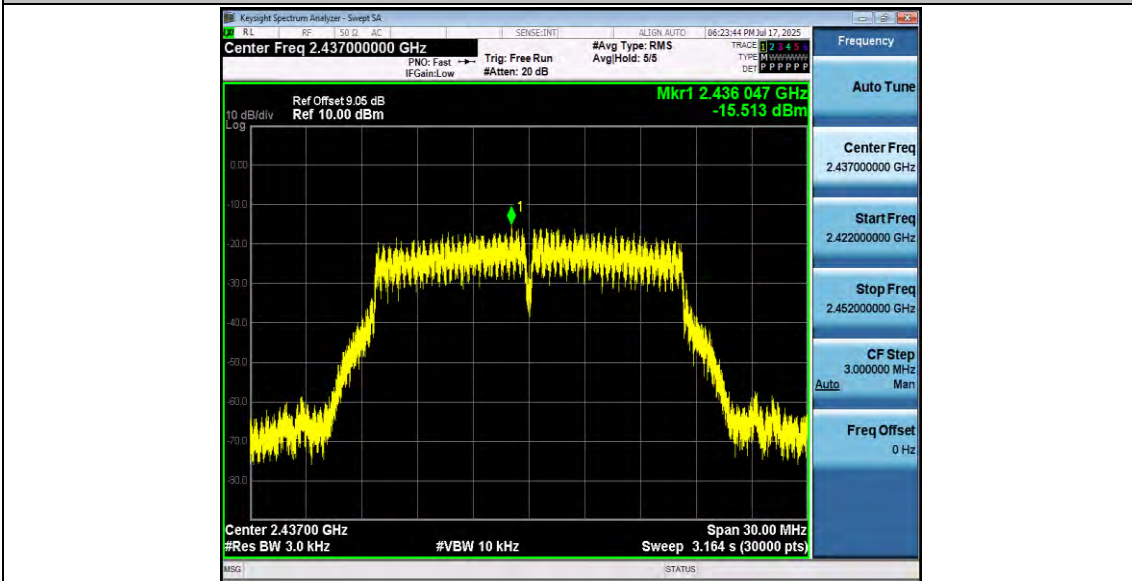
11B\_Ant1\_2462



11G\_Ant1\_2412

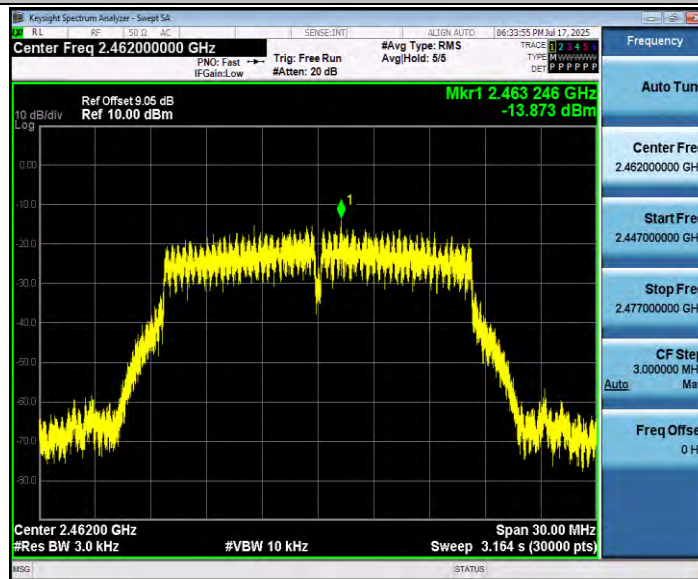


11G\_Ant1\_2437

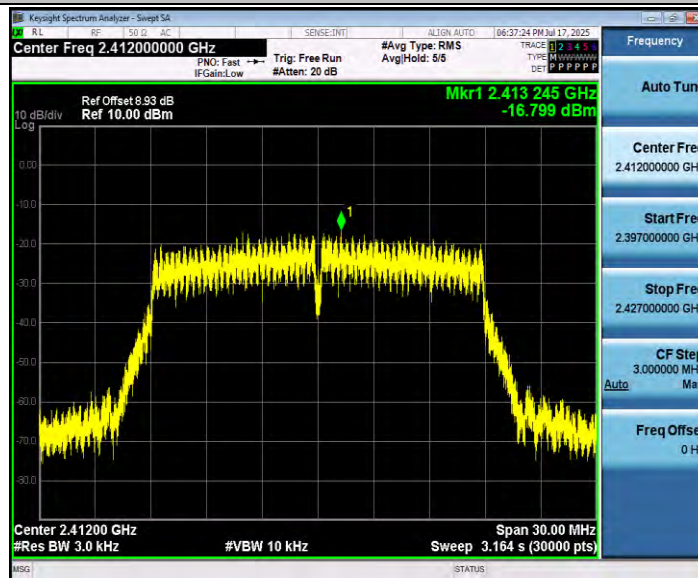




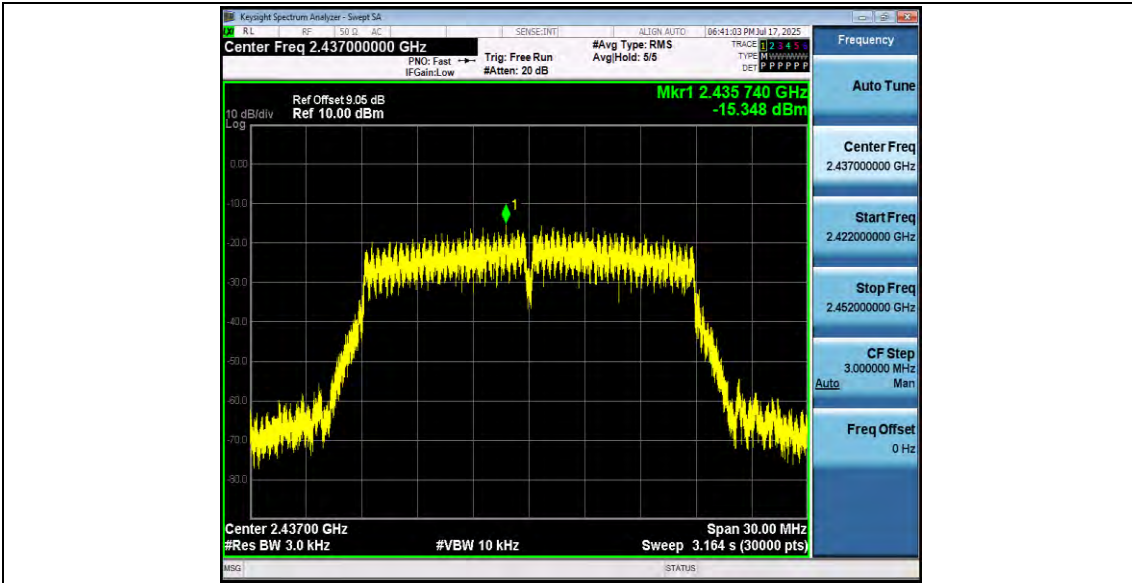
11G\_Ant1\_2462



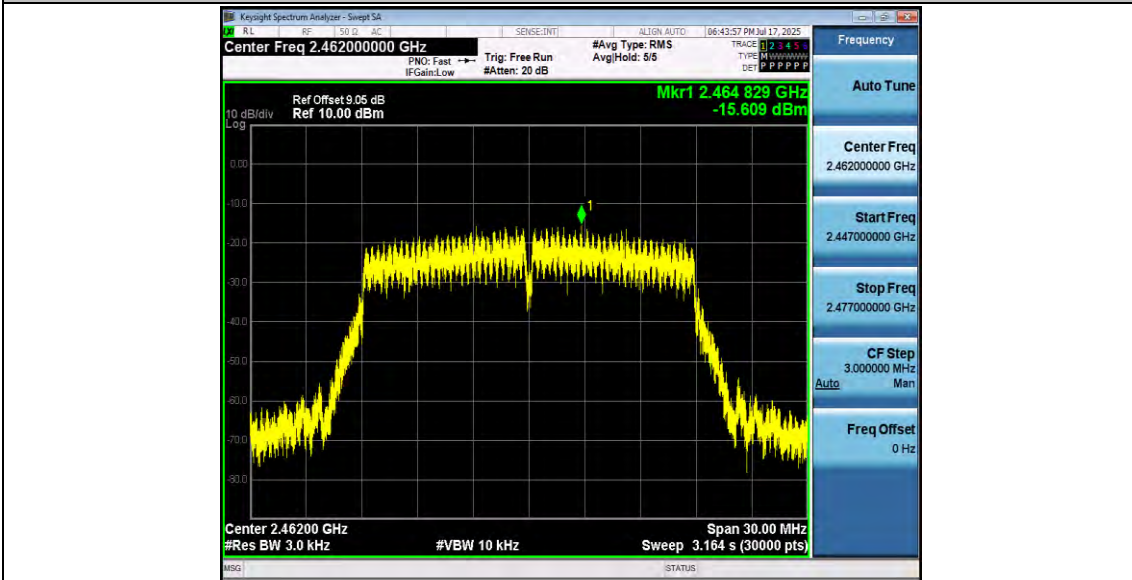
11N20SISO\_Ant1\_2412



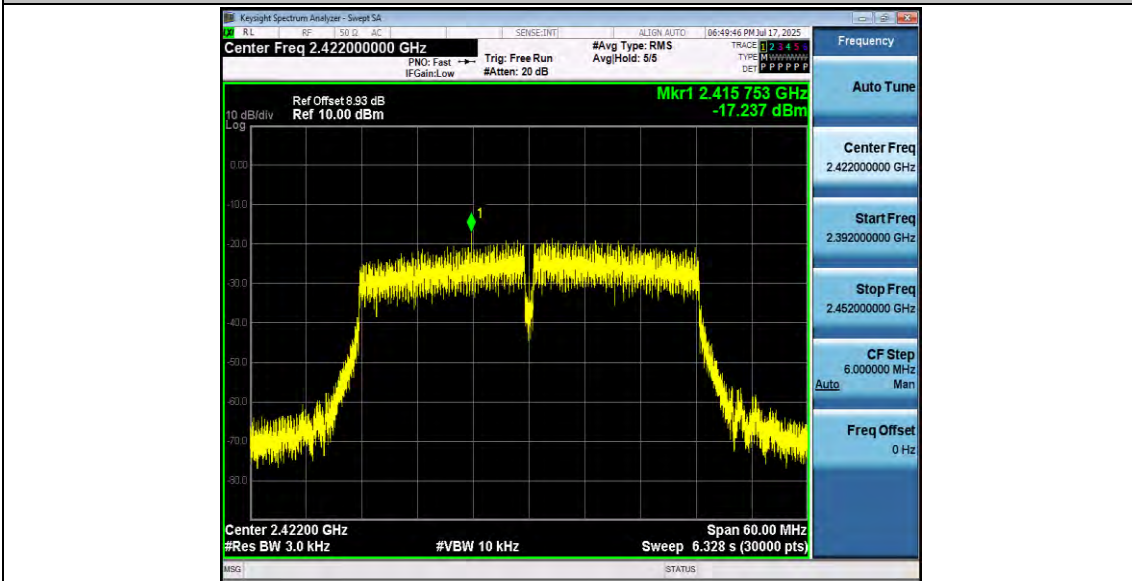
11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462



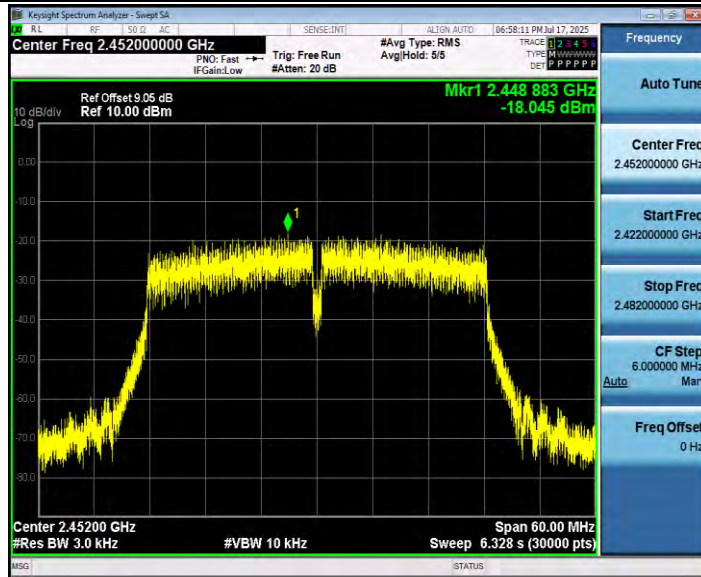
11N40SISO\_Ant1\_2422



11N40SISO\_Ant1\_2437



11N40SISO\_Ant1\_2452



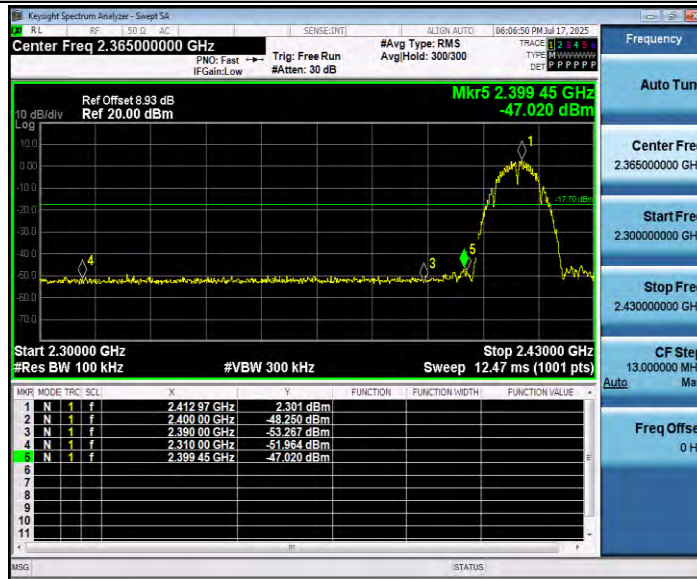
## Appendix A.5: Band edge measurements

### Test Result

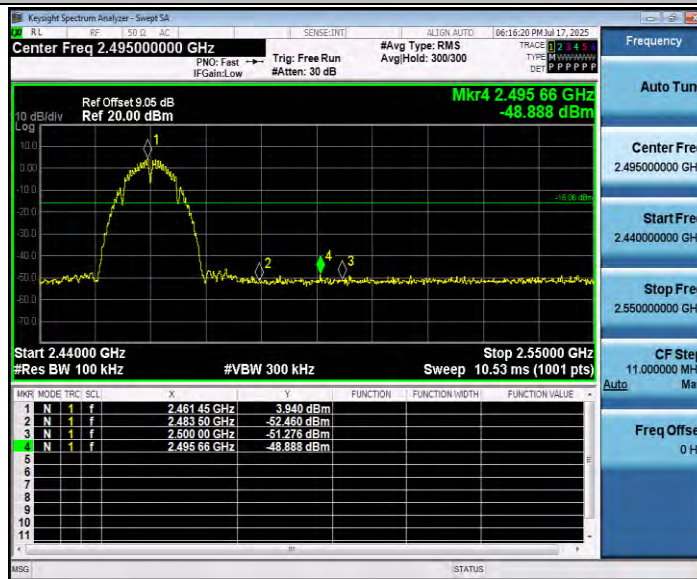
TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.30	-47.02	≤-17.7	PASS
		High	2462	3.94	-48.89	≤-16.06	PASS
11G	Ant1	Low	2412	0.42	-37.55	≤-19.58	PASS
		High	2462	-0.81	-48.62	≤-20.81	PASS
11N20SISO	Ant1	Low	2412	-2.18	-41.48	≤-22.18	PASS
		High	2462	-0.33	-48.5	≤-20.33	PASS
11N40SISO	Ant1	Low	2422	-3.45	-41.85	≤-23.45	PASS
		High	2452	-3.26	-46.46	≤-23.26	PASS

## Test Graphs

11B\_Ant1\_Low\_2412



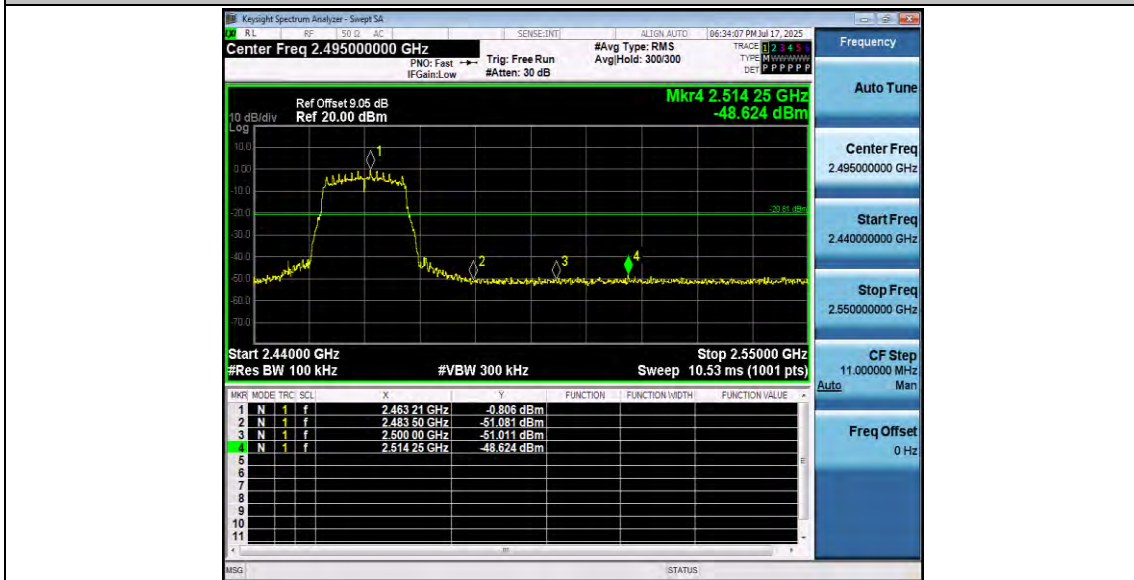
11B\_Ant1\_High\_2462



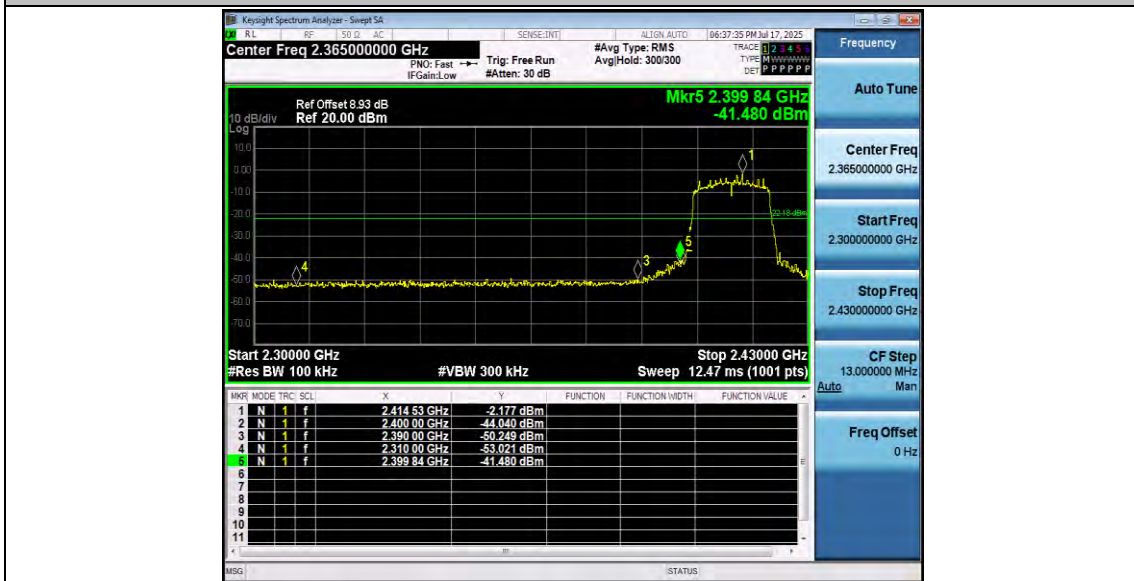
11G\_Ant1\_Low\_2412



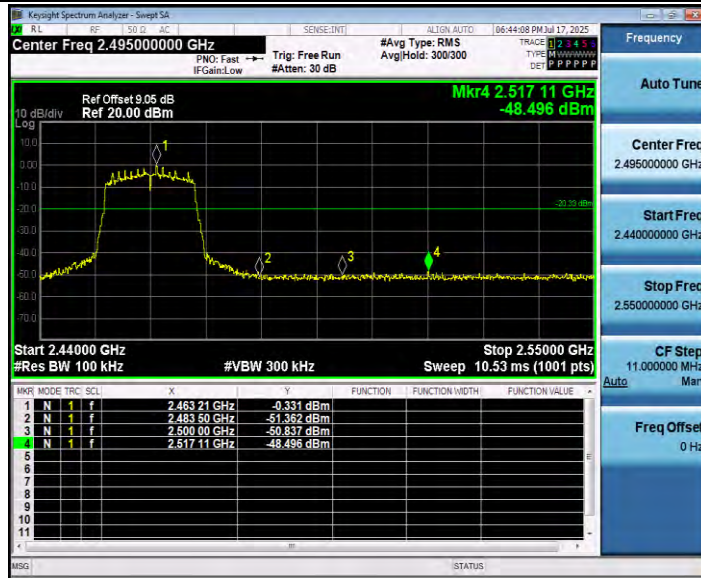
11G\_Ant1\_High\_2462



11N20SISO\_Ant1\_Low\_2412



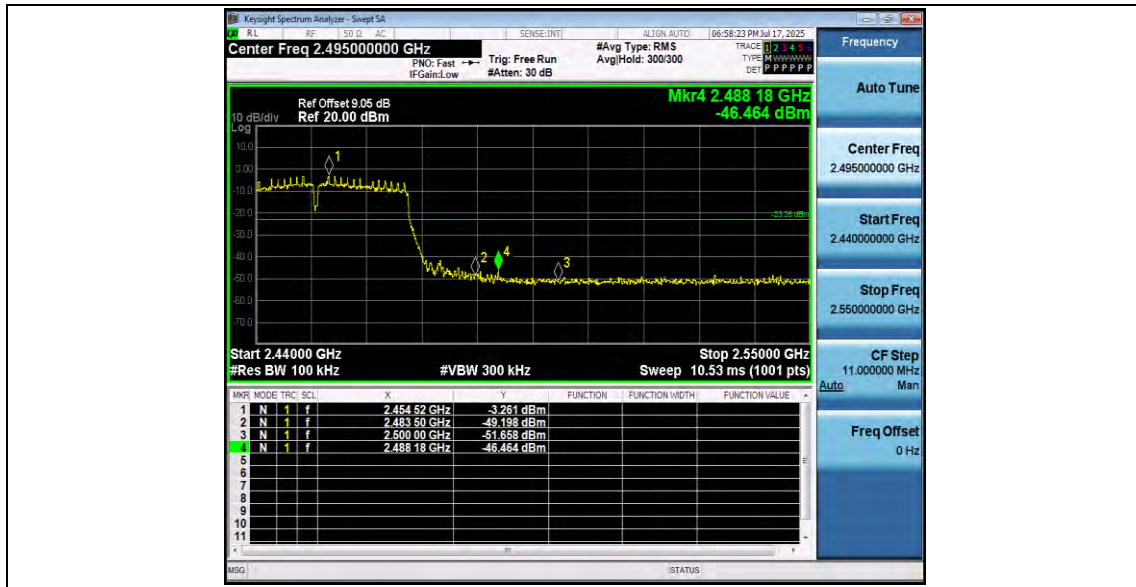
11N20SISO\_Ant1\_High\_2462



11N40SISO\_Ant1\_Low\_2422



11N40SISO\_Ant1\_High\_2452



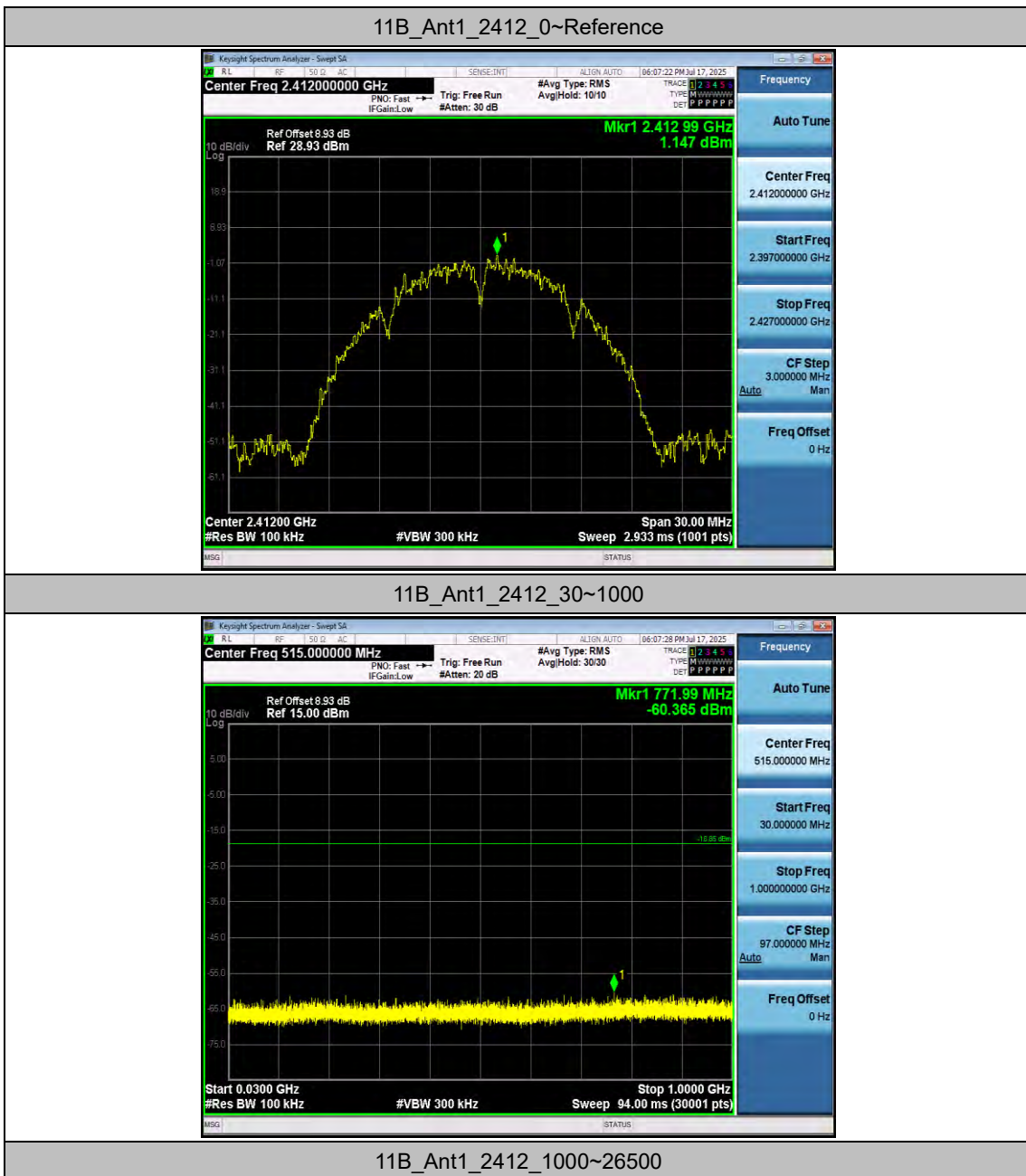


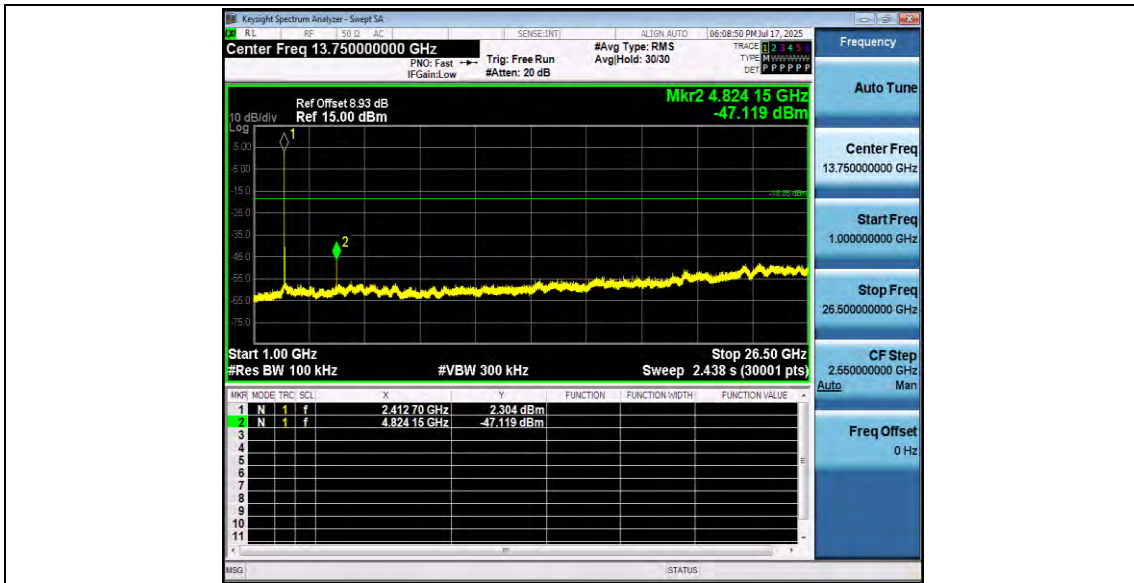
## Appendix A.6: Conducted Spurious Emission

### Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	1.15	1.15	---	PASS
			30~1000	1.15	-60.37	≤-18.85	PASS
			1000~26500	1.15	-47.12	≤-18.85	PASS
		2437	Reference	3.60	3.60	---	PASS
			30~1000	3.60	-60.61	≤-16.4	PASS
			1000~26500	3.60	-47.56	≤-16.4	PASS
		2462	Reference	3.70	3.70	---	PASS
			30~1000	3.70	-60.77	≤-16.3	PASS
			1000~26500	3.70	-47.23	≤-16.3	PASS
11G	Ant1	2412	Reference	-3.96	-3.96	---	PASS
			30~1000	-3.96	-60.25	≤-23.96	PASS
			1000~26500	-3.96	-45.5	≤-23.96	PASS
		2437	Reference	-2.14	-2.14	---	PASS
			30~1000	-2.14	-60.44	≤-22.14	PASS
			1000~26500	-2.14	-47.6	≤-22.14	PASS
		2462	Reference	-2.30	-2.30	---	PASS
			30~1000	-2.30	-60.5	≤-22.3	PASS
			1000~26500	-2.30	-47.59	≤-22.3	PASS
11N20SISO	Ant1	2412	Reference	-4.35	-4.35	---	PASS
			30~1000	-4.35	-60.8	≤-24.35	PASS
			1000~26500	-4.35	-46.99	≤-24.35	PASS
		2437	Reference	-3.39	-3.39	---	PASS
			30~1000	-3.39	-60.27	≤-23.39	PASS
			1000~26500	-3.39	-47.51	≤-23.39	PASS
		2462	Reference	-1.63	-1.63	---	PASS
			30~1000	-1.63	-60.13	≤-21.63	PASS
			1000~26500	-1.63	-47.66	≤-21.63	PASS
11N40SISO	Ant1	2422	Reference	-6.25	-6.25	---	PASS
			30~1000	-6.25	-60.18	≤-26.25	PASS
			1000~26500	-6.25	-48.01	≤-26.25	PASS
		2437	Reference	-4.45	-4.45	---	PASS
			30~1000	-4.45	-60.99	≤-24.45	PASS
			1000~26500	-4.45	-47.67	≤-24.45	PASS
		2452	Reference	-4.50	-4.50	---	PASS
			30~1000	-4.50	-60.32	≤-24.5	PASS
			1000~26500	-4.50	-47.5	≤-24.5	PASS

## Test Graphs

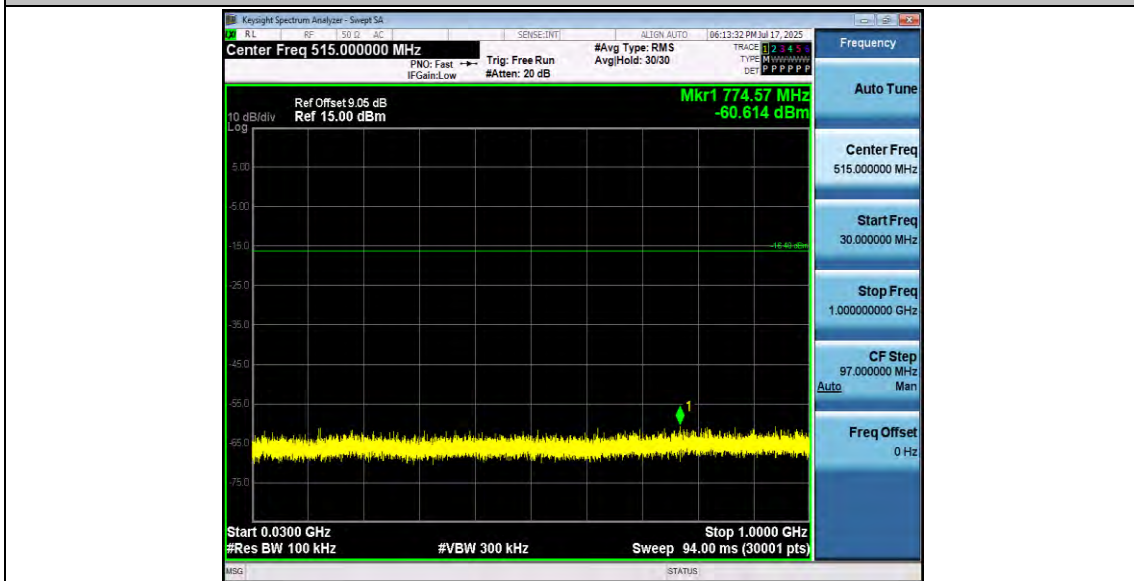




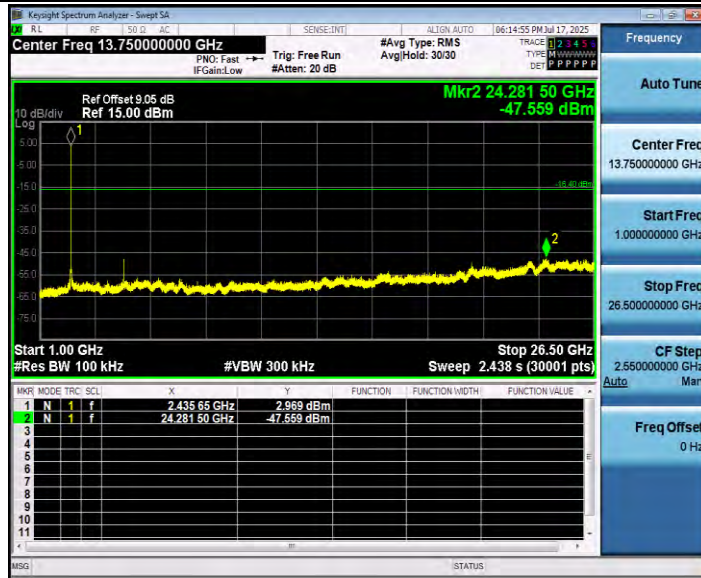
11B\_Ant1\_2437\_0~Reference



11B\_Ant1\_2437\_30~1000



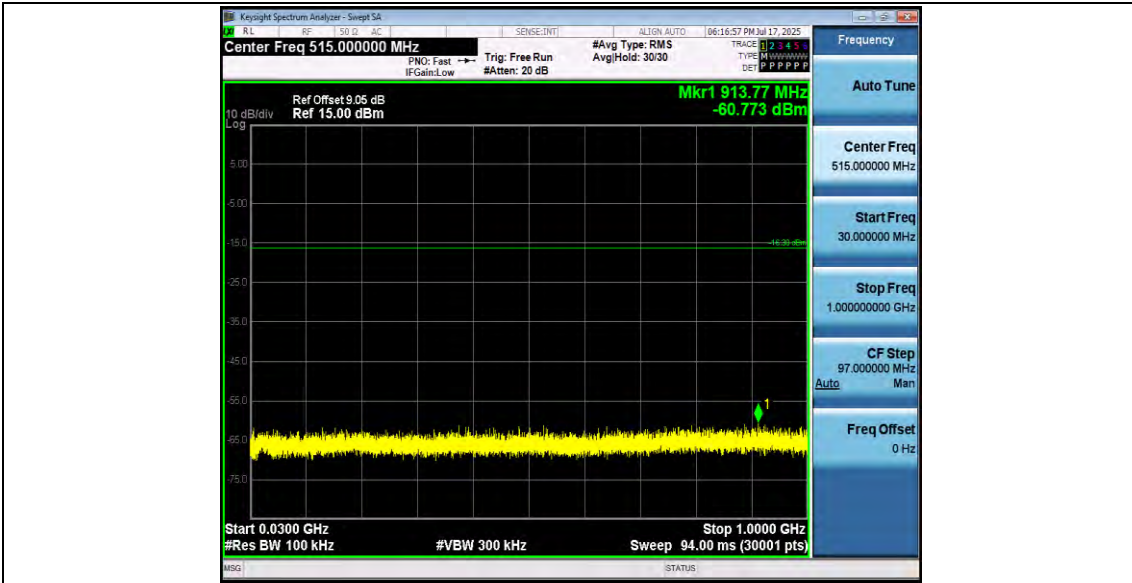
11B\_Ant1\_2437\_1000~26500



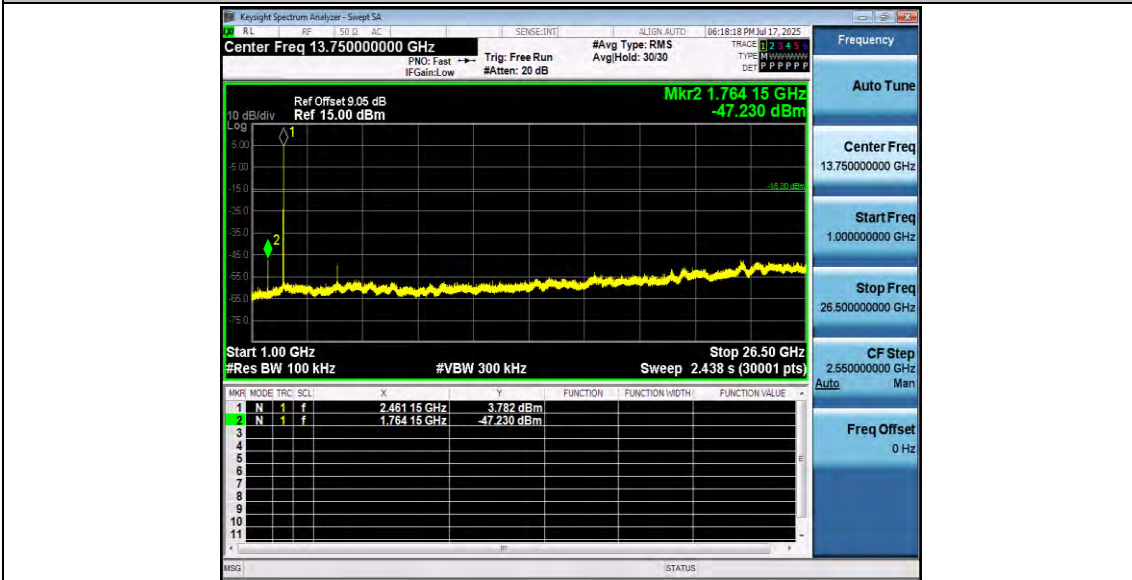
11B\_Ant1\_2462\_0~Reference



11B\_Ant1\_2462\_30~1000



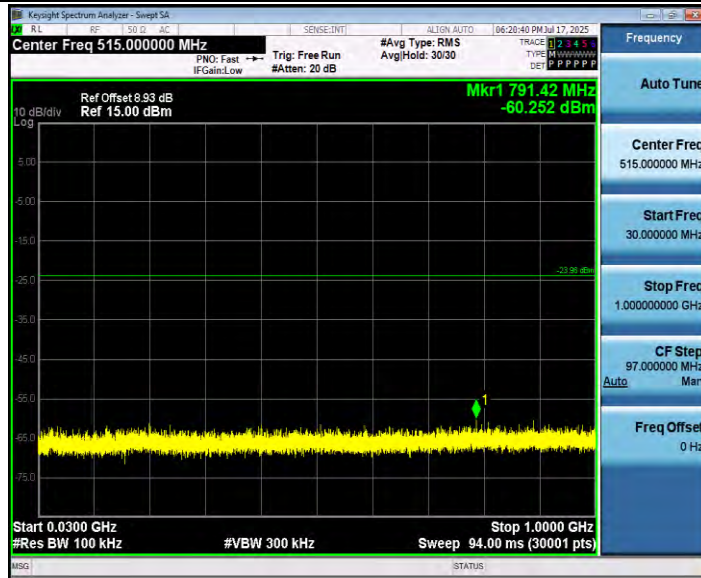
11B\_Ant1\_2462\_1000~26500



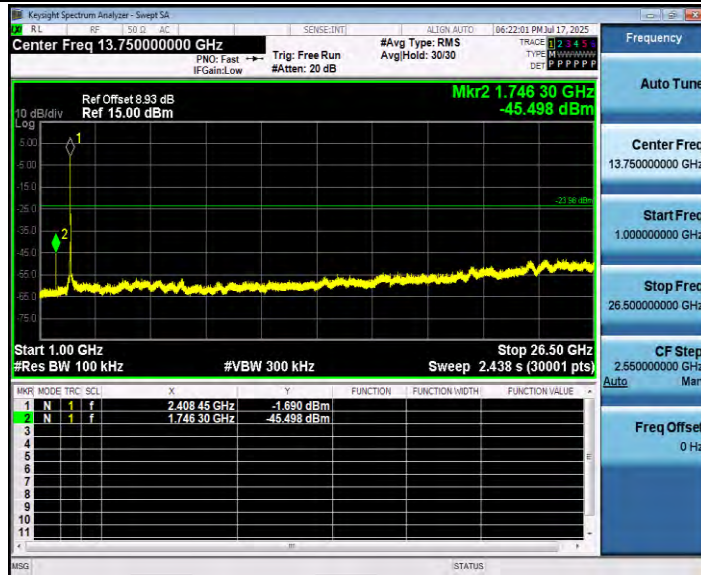
11G\_Ant1\_2412\_0~Reference



11G\_Ant1\_2412\_30~1000



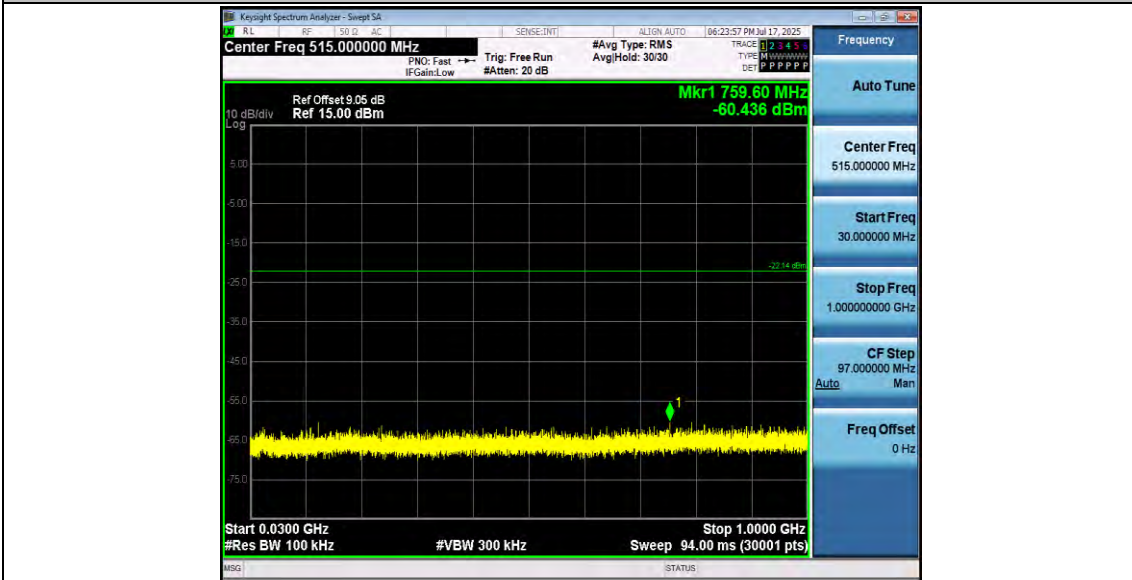
11G\_Ant1\_2412\_1000~26500



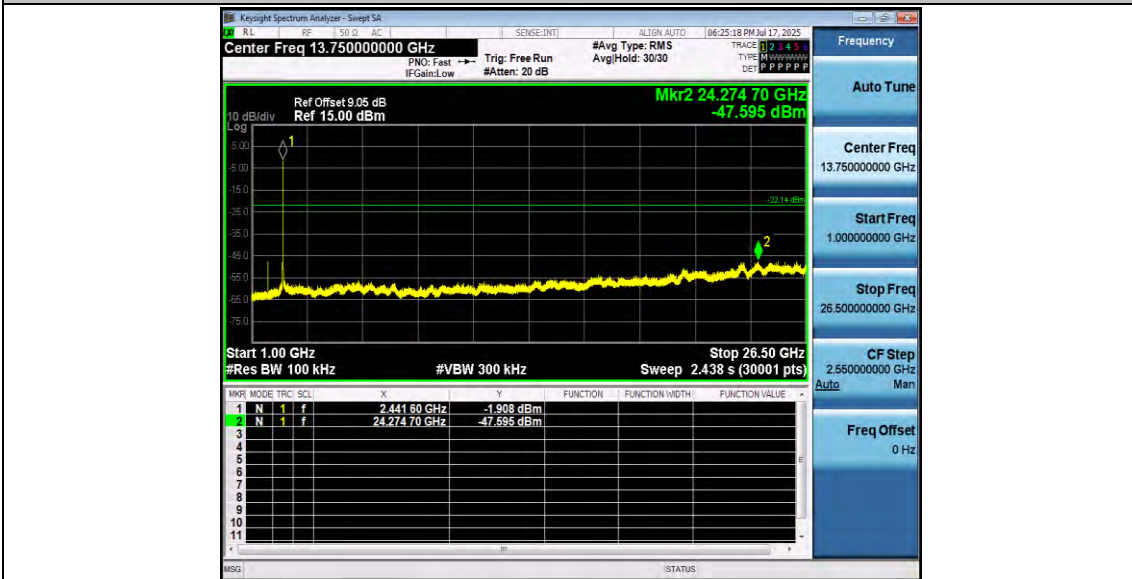
11G\_Ant1\_2437\_0~Reference



11G\_Ant1\_2437\_30~1000



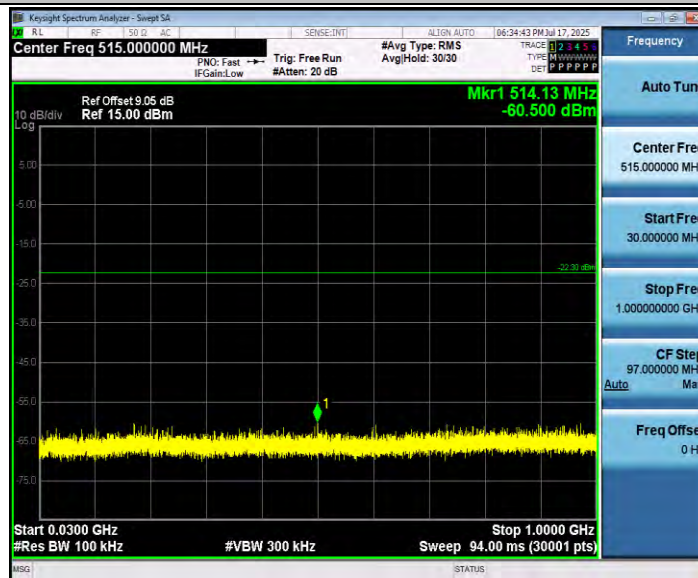
11G\_Ant1\_2437\_1000~26500



11G\_Ant1\_2462\_0~Reference

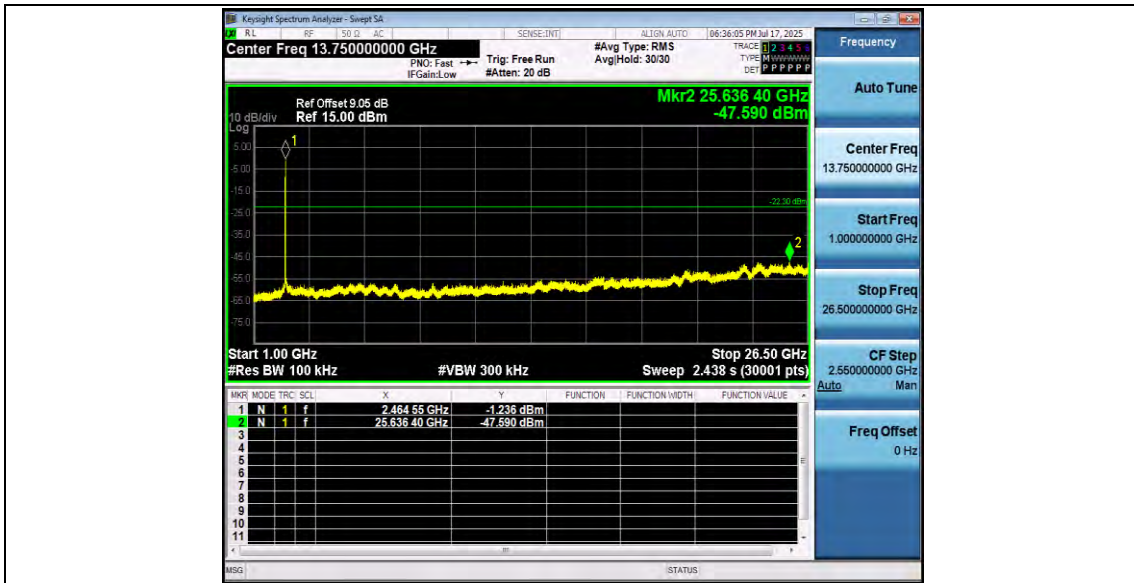


11G\_Ant1\_2462\_30~1000



11G\_Ant1\_2462\_1000~26500

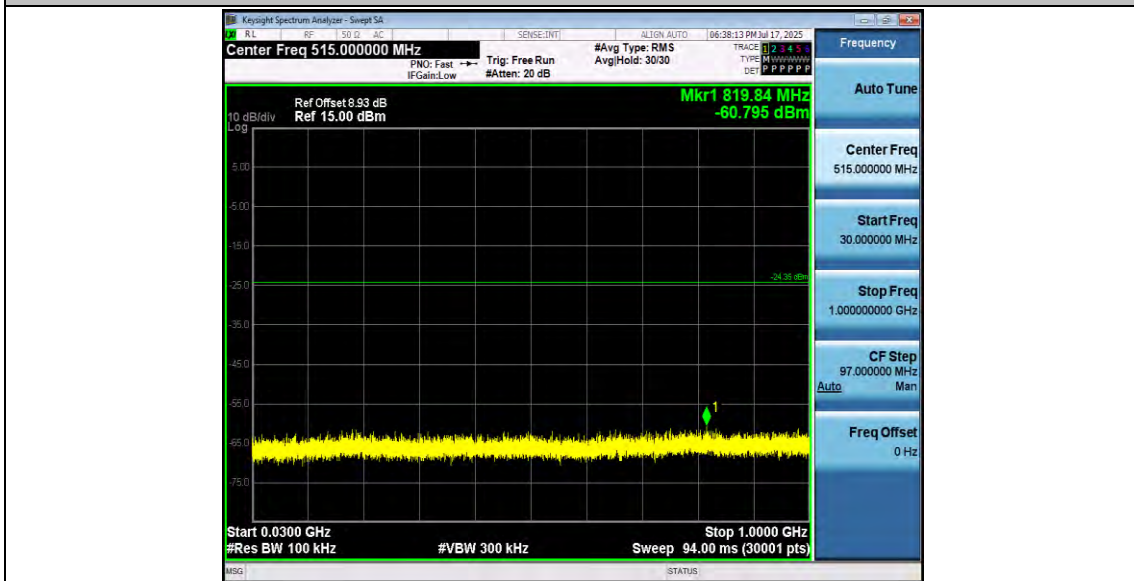




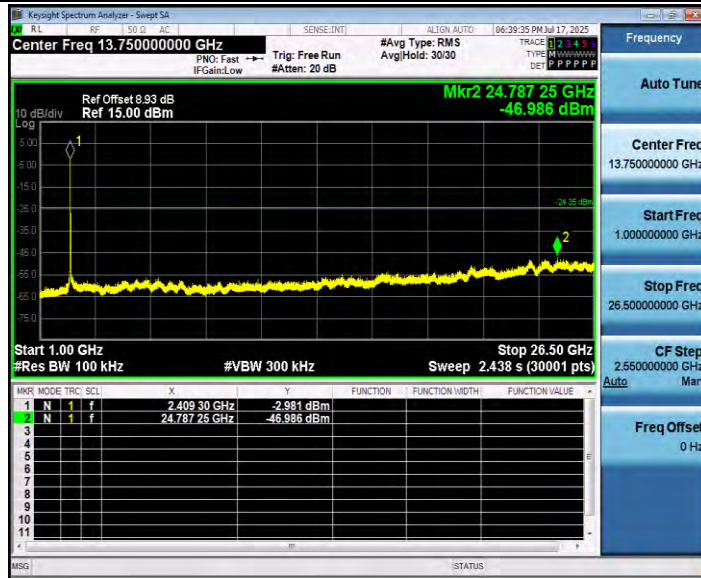
11N20SISO\_Ant1\_2412\_0~Reference



11N20SISO\_Ant1\_2412\_30~1000



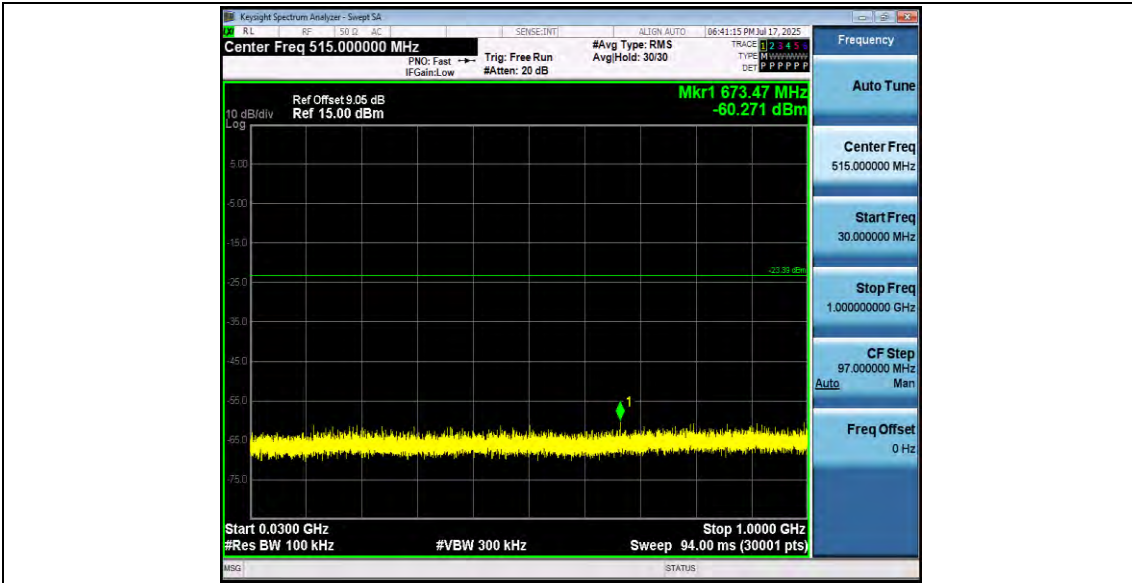
11N20SISO\_Ant1\_2412\_1000~26500



11N20SISO\_Ant1\_2437\_0~Reference



11N20SISO\_Ant1\_2437\_30~1000



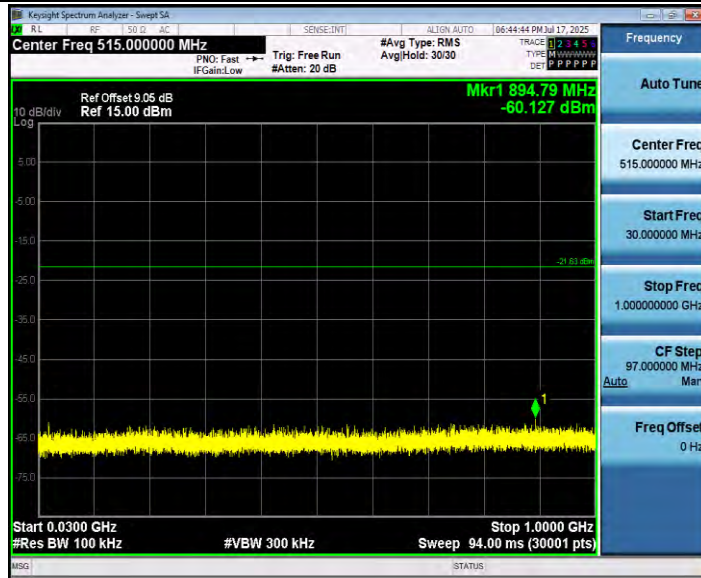
11N20SISO\_Ant1\_2437\_1000~26500



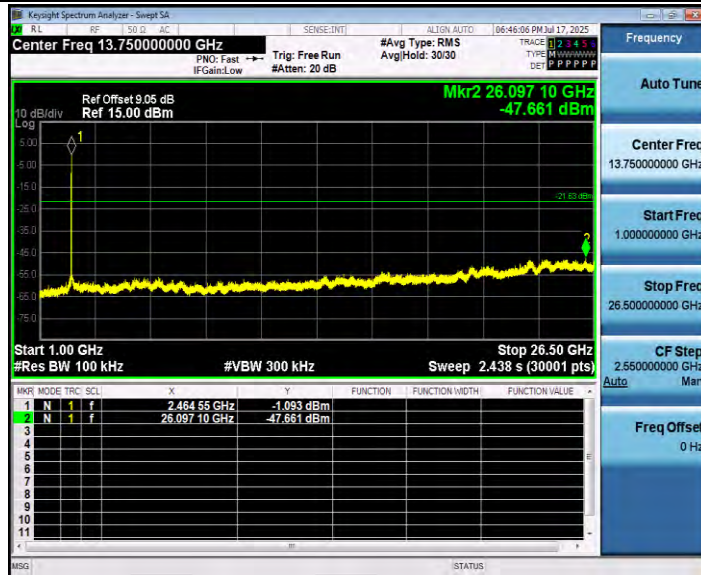
11N20SISO\_Ant1\_2462\_0~Reference



11N20SISO\_Ant1\_2462\_30~1000



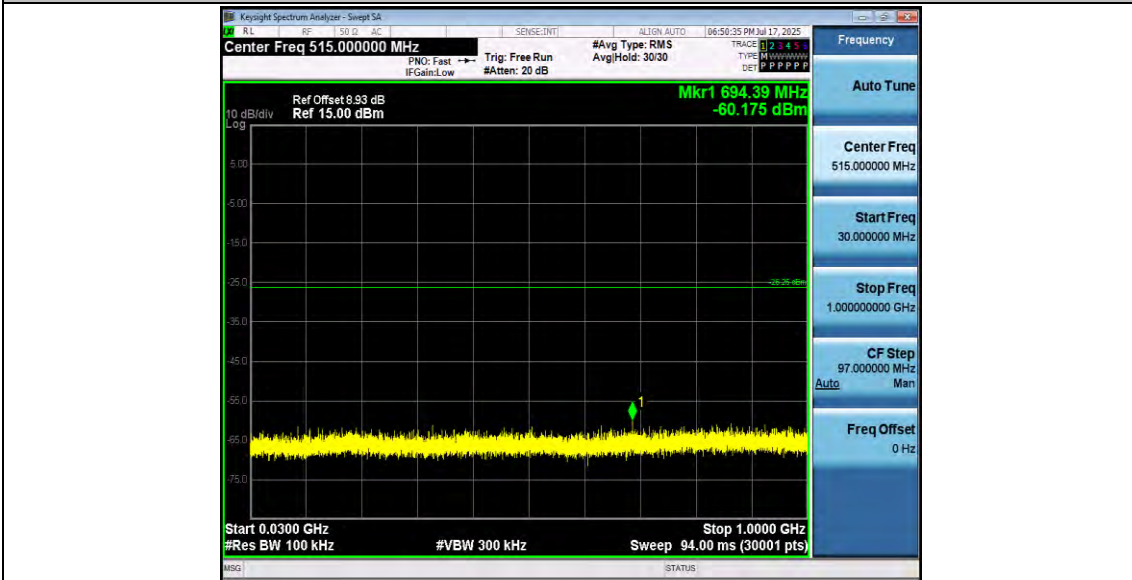
11N20SISO\_Ant1\_2462\_1000~26500



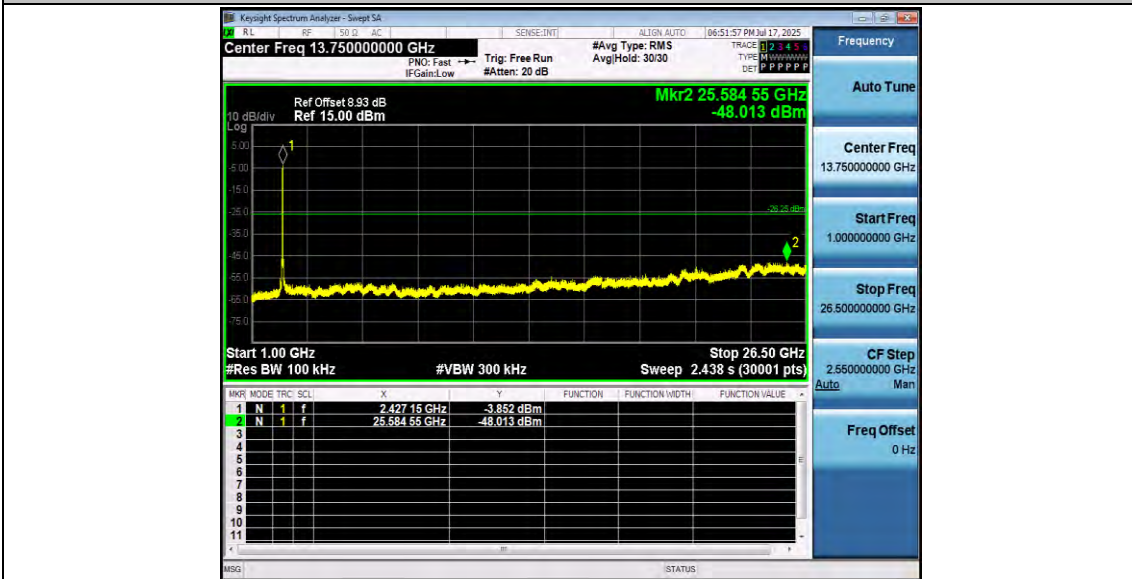
11N40SISO\_Ant1\_2422\_0~Reference



11N40SISO\_Ant1\_2422\_30~1000



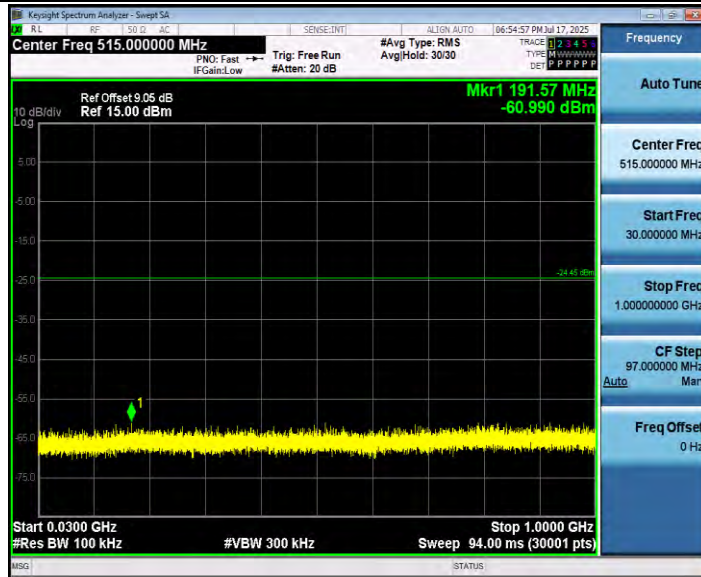
11N40SISO\_Ant1\_2422\_1000~26500



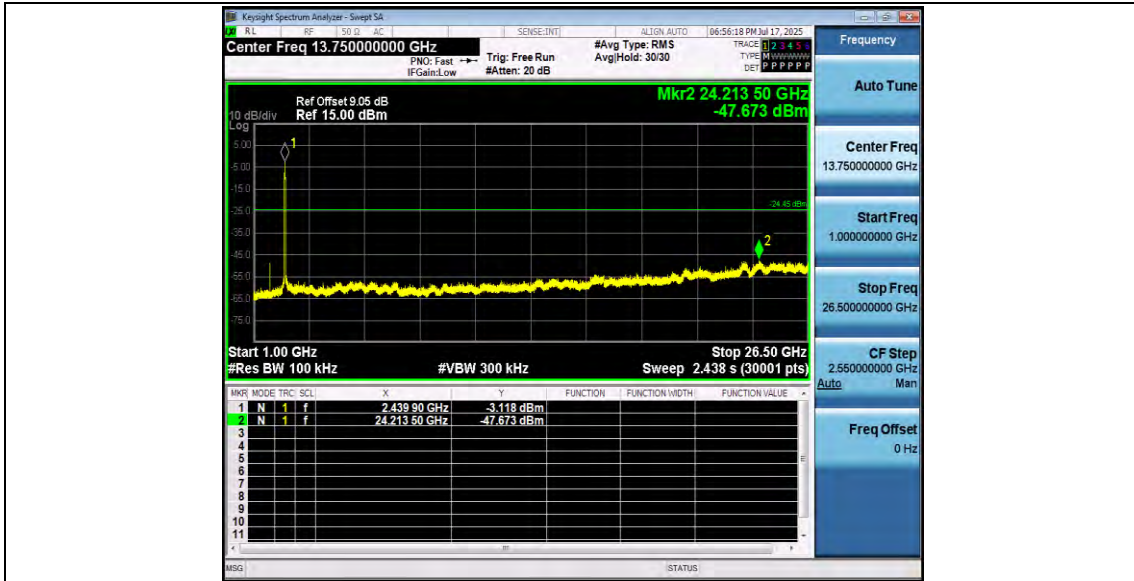
11N40SISO\_Ant1\_2437\_0~Reference



11N40SISO\_Ant1\_2437\_30~1000



11N40SISO\_Ant1\_2437\_1000~26500

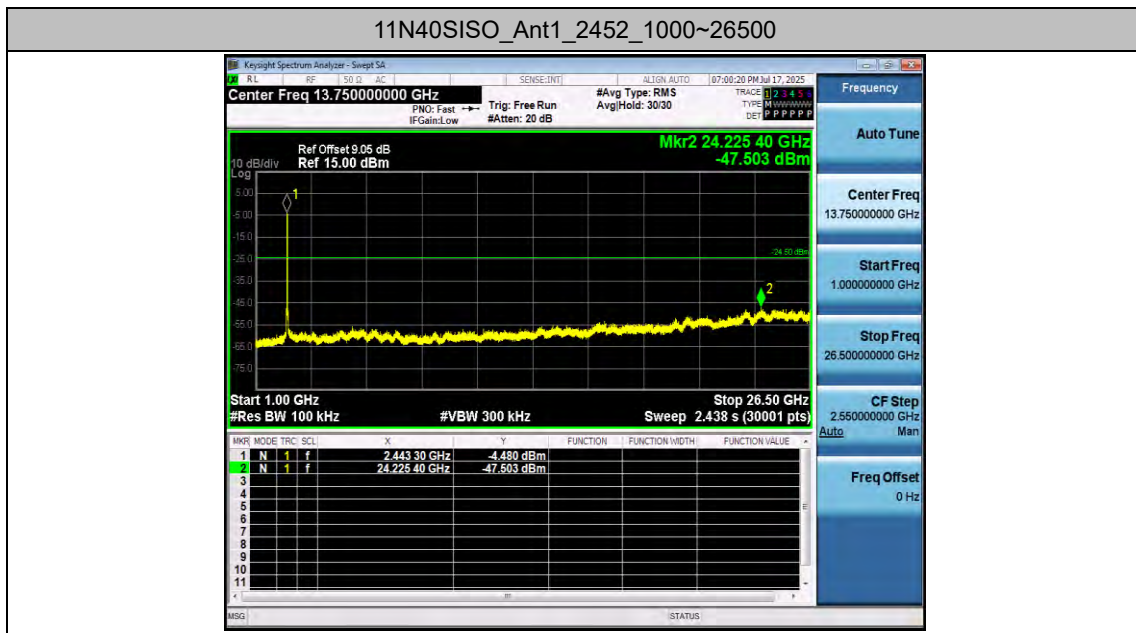


11N40SISO\_Ant1\_2452\_0~Reference



11N40SISO\_Ant1\_2452\_30~1000







## Appendix A.7: Emissions in Restricted Bands

### Test Result

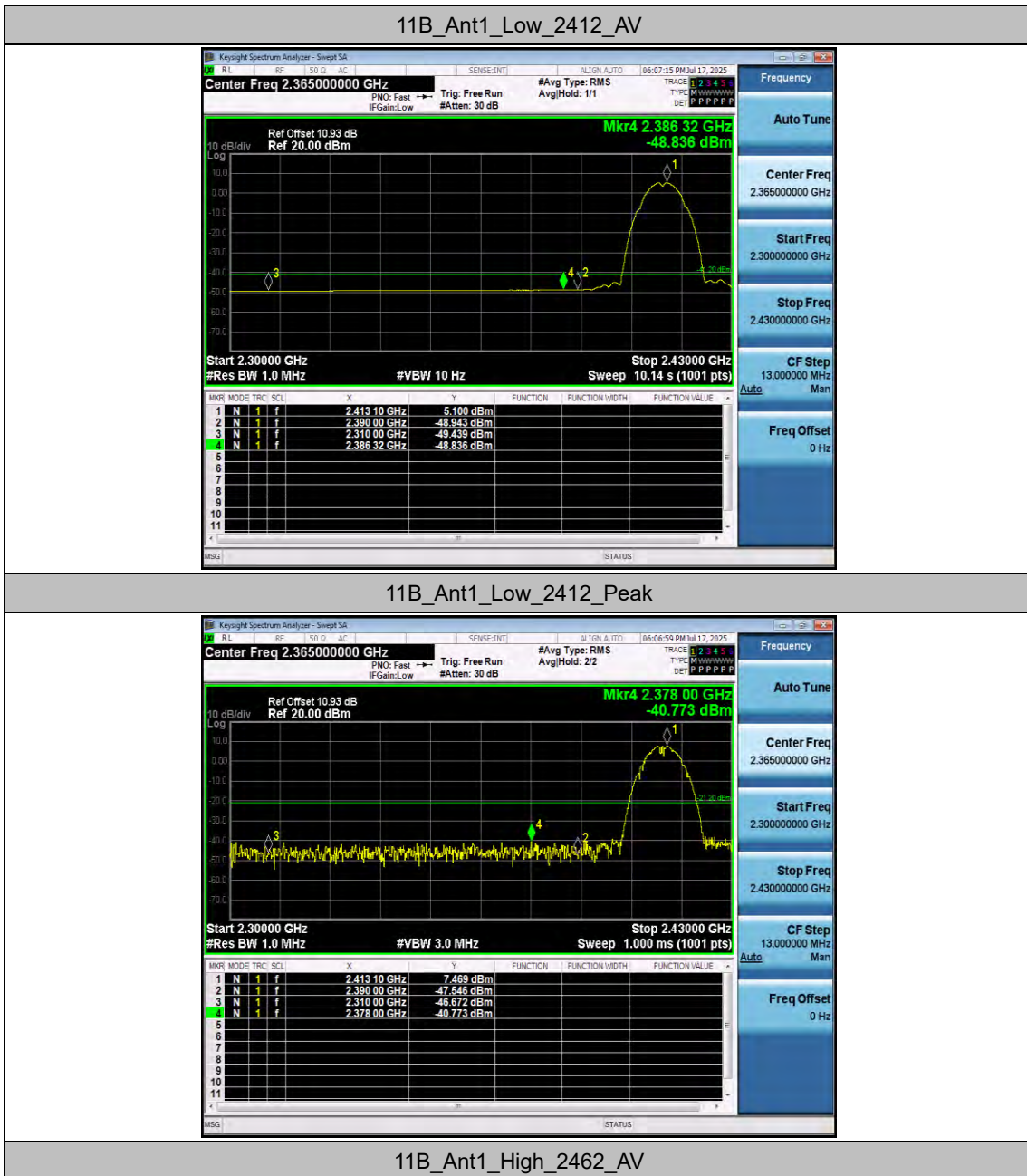
TestMode	Antenna	ChName	Frequency [MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11B	Ant1	Low	2412	AV	2310.000	-49.44	≤-41.20	45.76	≤54	PASS
				AV	2386.320	-48.84	≤-41.20	46.36	≤54	PASS
				AV	2390.000	-48.94	≤-41.20	46.26	≤54	PASS
				Peak	2310.000	-46.67	≤-21.20	48.53	≤74	PASS
				Peak	2378.000	-40.77	≤-21.20	54.43	≤74	PASS
				Peak	2390.000	-47.55	≤-21.20	47.65	≤74	PASS
		High	2462	AV	2483.500	-48.8	≤-41.20	46.40	≤54	PASS
				AV	2497.310	-48.58	≤-41.20	46.62	≤54	PASS
				AV	2500.000	-48.59	≤-41.20	46.61	≤54	PASS
				Peak	2483.500	-47.65	≤-21.20	47.55	≤74	PASS
				Peak	2490.930	-40.69	≤-21.20	54.51	≤74	PASS
				Peak	2500.000	-44.85	≤-21.20	50.35	≤74	PASS
11G	Ant1	Low	2412	AV	2310.000	-49.23	≤-41.20	45.97	≤54	PASS
				AV	2389.960	-47.08	≤-41.20	48.12	≤54	PASS
				AV	2390.000	-47.08	≤-41.20	48.12	≤54	PASS
				Peak	2310.000	-48.13	≤-21.20	47.07	≤74	PASS
				Peak	2389.310	-40.11	≤-21.20	55.09	≤74	PASS
				Peak	2390.000	-44.41	≤-21.20	50.79	≤74	PASS
		High	2462	AV	2483.500	-48.04	≤-41.20	47.16	≤54	PASS
				AV	2483.560	-48.06	≤-41.20	47.14	≤54	PASS
				AV	2500.000	-48.16	≤-41.20	47.04	≤54	PASS
				Peak	2483.500	-47.55	≤-21.20	47.65	≤74	PASS
				Peak	2498.080	-39.88	≤-21.20	55.32	≤74	PASS
				Peak	2500.000	-45.64	≤-21.20	49.56	≤74	PASS
11N20SIS O	Ant1	Low	2412	AV	2310.000	-49.32	≤-41.20	45.88	≤54	PASS
				AV	2389.960	-47.91	≤-41.20	47.29	≤54	PASS
				AV	2390.000	-47.92	≤-41.20	47.28	≤54	PASS
				Peak	2310.000	-42.94	≤-21.20	52.26	≤74	PASS
				Peak	2344.850	-39.03	≤-21.20	56.17	≤74	PASS
				Peak	2390.000	-49.16	≤-21.20	46.04	≤74	PASS
		High	2462	AV	2483.500	-47.9	≤-41.20	47.30	≤54	PASS
				AV	2483.560	-47.92	≤-41.20	47.28	≤54	PASS
				AV	2500.000	-48.13	≤-41.20	47.07	≤54	PASS
				Peak	2483.500	-43.09	≤-21.20	52.11	≤74	PASS
				Peak	2499.840	-38.88	≤-21.20	56.32	≤74	PASS
				Peak	2500.000	-46.4	≤-21.20	48.80	≤74	PASS
11N40SIS	Ant1	Low	2422	AV	2310.000	-49.39	≤-41.20	45.81	≤54	PASS

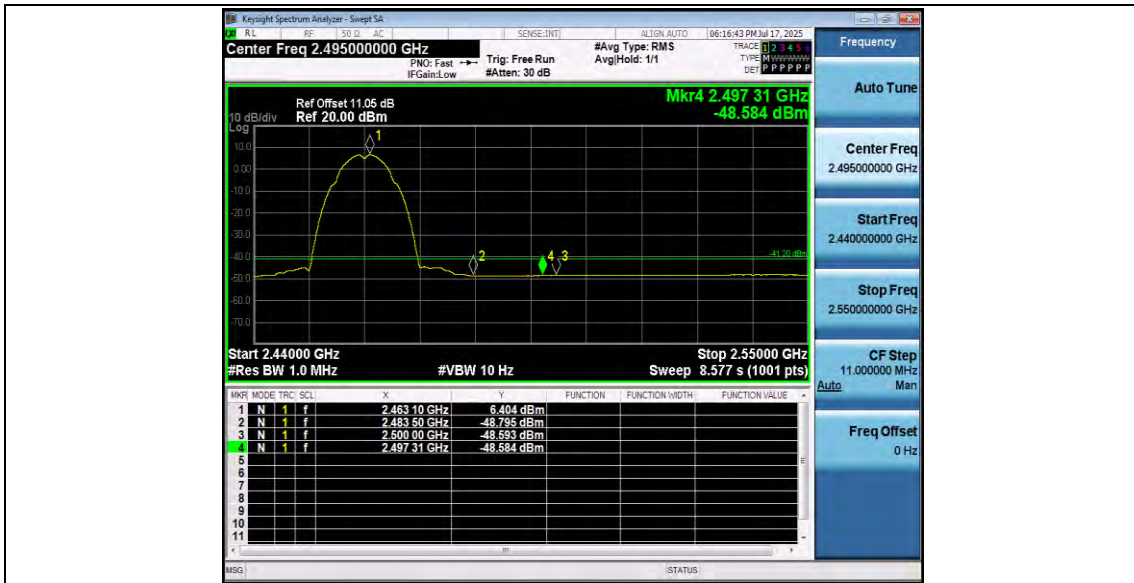
O			AV	2389.960	-46.13	≤-41.20	49.07	≤54	PASS
			AV	2390.000	-46.13	≤-41.20	49.07	≤54	PASS
			Peak	2310.000	-49.92	≤-21.20	45.28	≤74	PASS
			Peak	2387.230	-31.25	≤-21.20	63.95	≤74	PASS
			Peak	2390.000	-47.57	≤-21.20	47.63	≤74	PASS
	High	2452	AV	2483.500	-46.86	≤-41.20	48.34	≤54	PASS
			AV	2484.000	-46.73	≤-41.20	48.47	≤54	PASS
			AV	2500.000	-48.13	≤-41.20	47.07	≤54	PASS
			Peak	2483.500	-44.55	≤-21.20	50.65	≤74	PASS
			Peak	2484.660	-39.34	≤-21.20	55.86	≤74	PASS
			Peak	2500.000	-42.23	≤-21.20	52.97	≤74	PASS

Note:

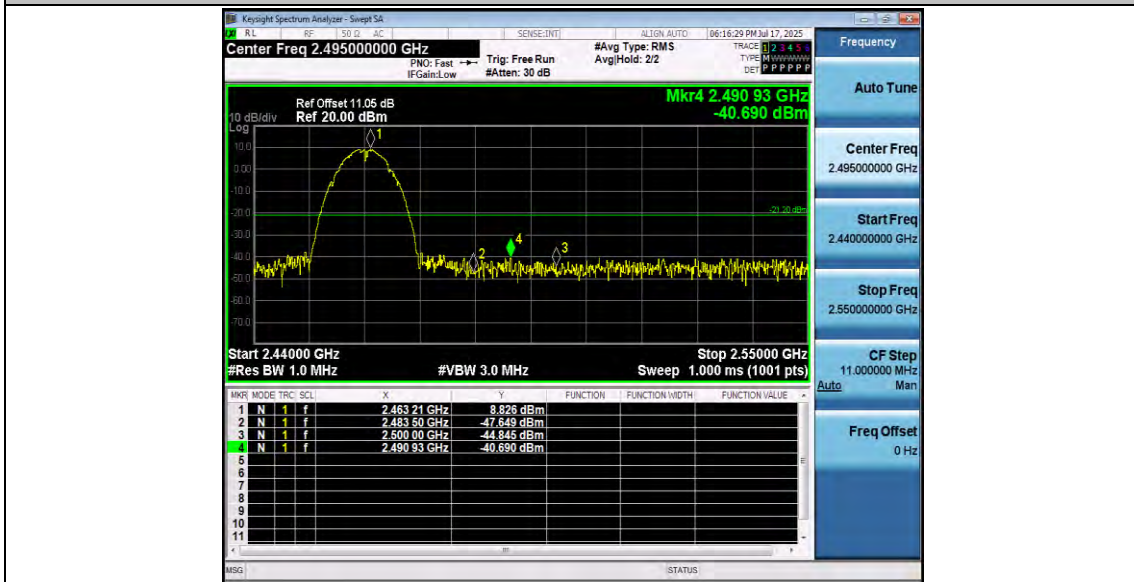
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

## Test Graphs

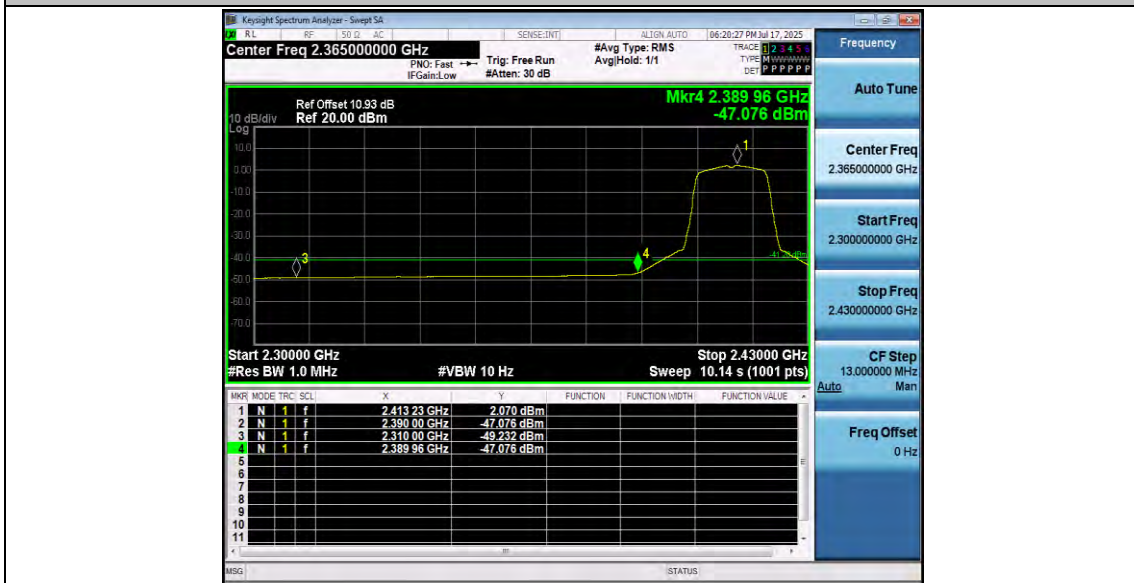




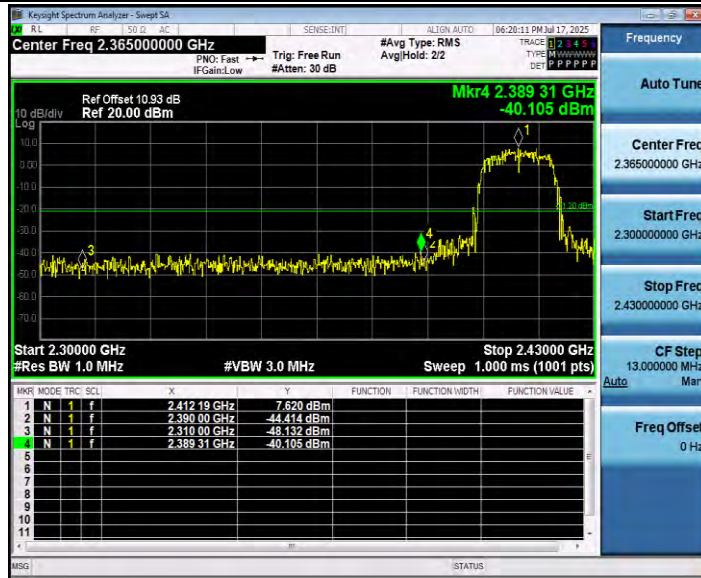
11B\_Ant1\_High\_2462\_Peak



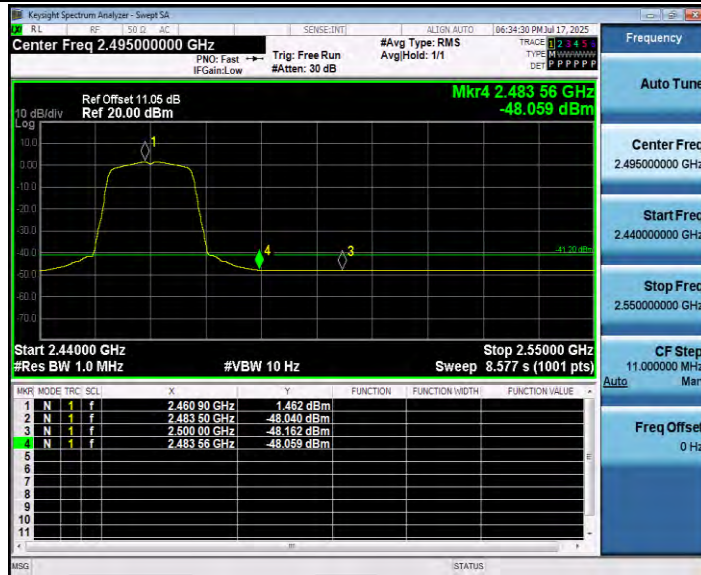
11G\_Ant1\_Low\_2412\_AV



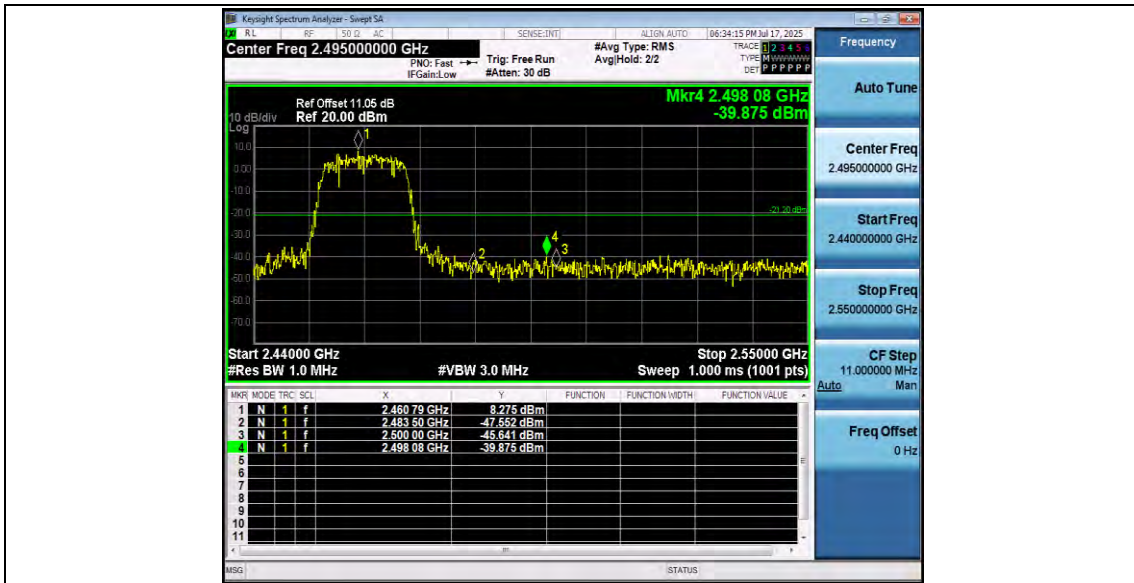
11G\_Ant1\_Low\_2412\_Peak



11G\_Ant1\_High\_2462\_AV



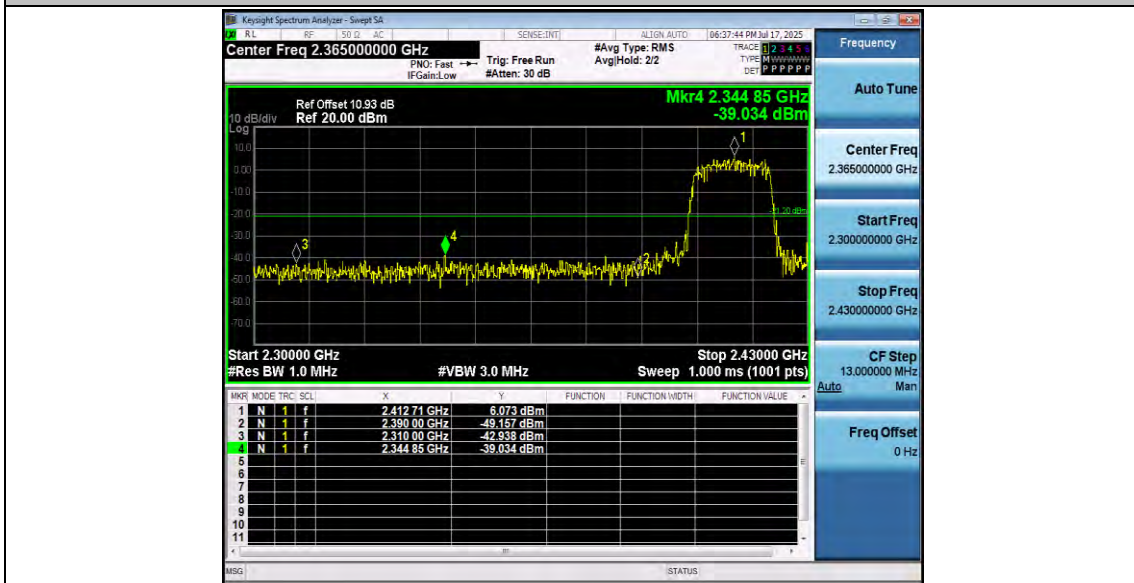
11G\_Ant1\_High\_2462\_Peak



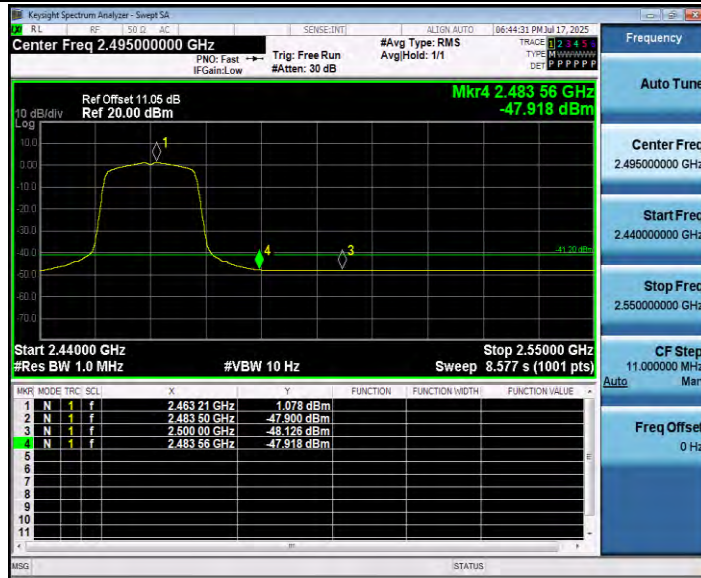
11N20SISO\_Ant1\_Low\_2412\_AV



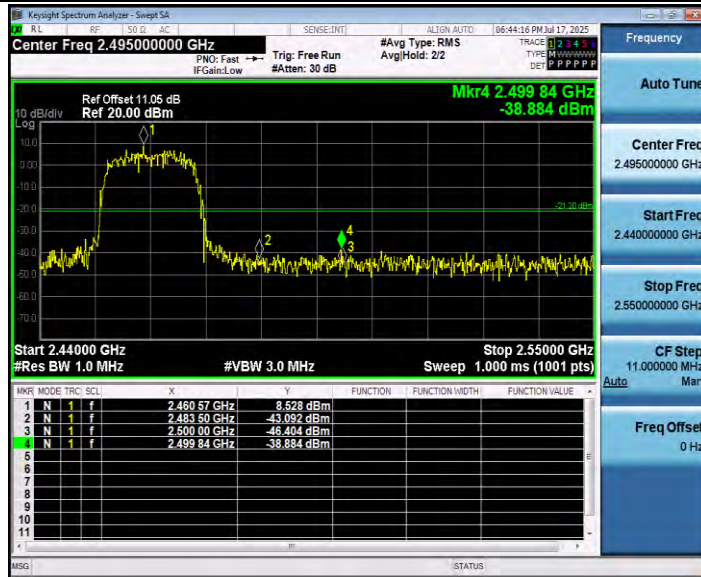
11N20SISO\_Ant1\_Low\_2412\_Peak



11N20SISO\_Ant1\_High\_2462\_AV



11N20SISO\_Ant1\_High\_2462\_Peak



11N40SISO\_Ant1\_Low\_2422\_AV



11N40SISO\_Ant1\_Low\_2422\_Peak



11N40SISO\_Ant1\_High\_2452\_AV





11N40SISO\_Ant1\_High\_2452\_Peak

