

<b>Case No. :</b> <u>GTS20230210003-1-5</u>
<b>Ambient Condition:</b> <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,
<b>Test Date:</b> <u>2023.2.27</u> <b>Test Engineer:</b> <u>Jenny zeng</u>

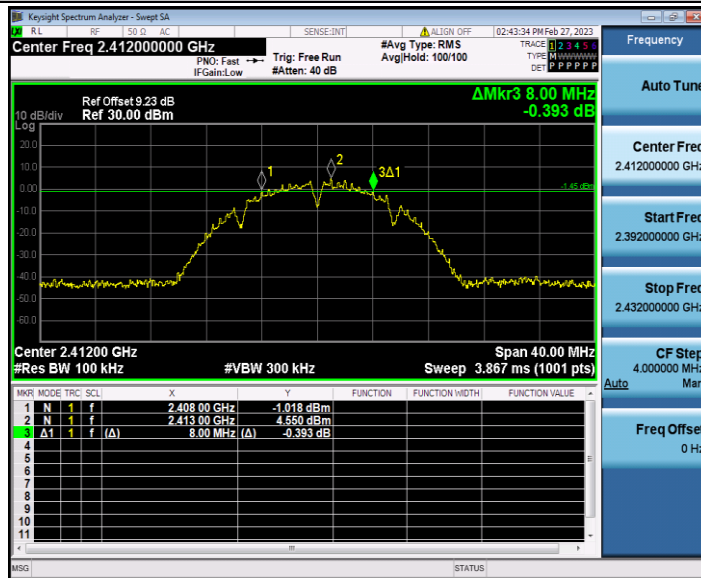
## Appendix C.1: DTS Bandwidth

### Test Result

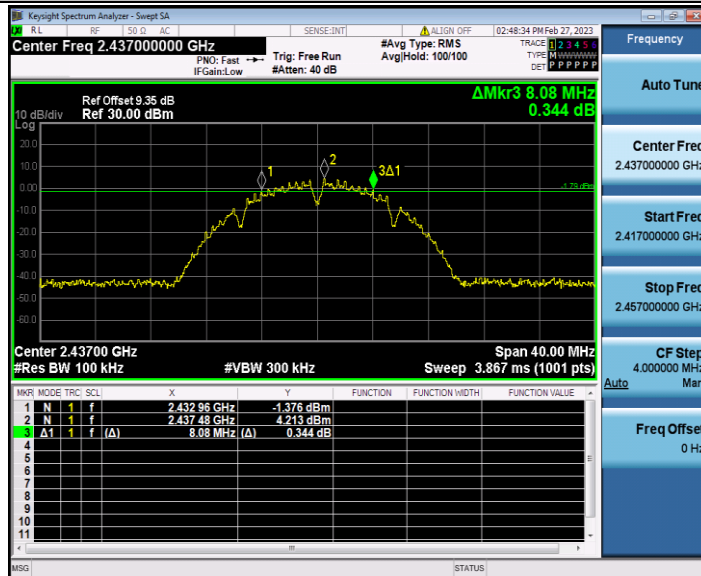
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.000	2408.000	2416.000	0.5	PASS
		2437	8.080	2432.960	2441.040	0.5	PASS
		2462	8.040	2458.000	2466.040	0.5	PASS
11G	Ant1	2412	15.120	2404.440	2419.560	0.5	PASS
		2437	13.800	2430.680	2444.480	0.5	PASS
		2462	15.400	2454.480	2469.880	0.5	PASS
11N20SISO	Ant1	2412	16.040	2404.480	2420.520	0.5	PASS
		2437	15.360	2429.480	2444.840	0.5	PASS
		2462	13.800	2454.480	2468.280	0.5	PASS
11N40SISO	Ant1	2422	35.280	2404.480	2439.760	0.5	PASS
		2437	33.920	2420.680	2454.600	0.5	PASS
		2452	31.280	2438.240	2469.520	0.5	PASS

## Test Graphs

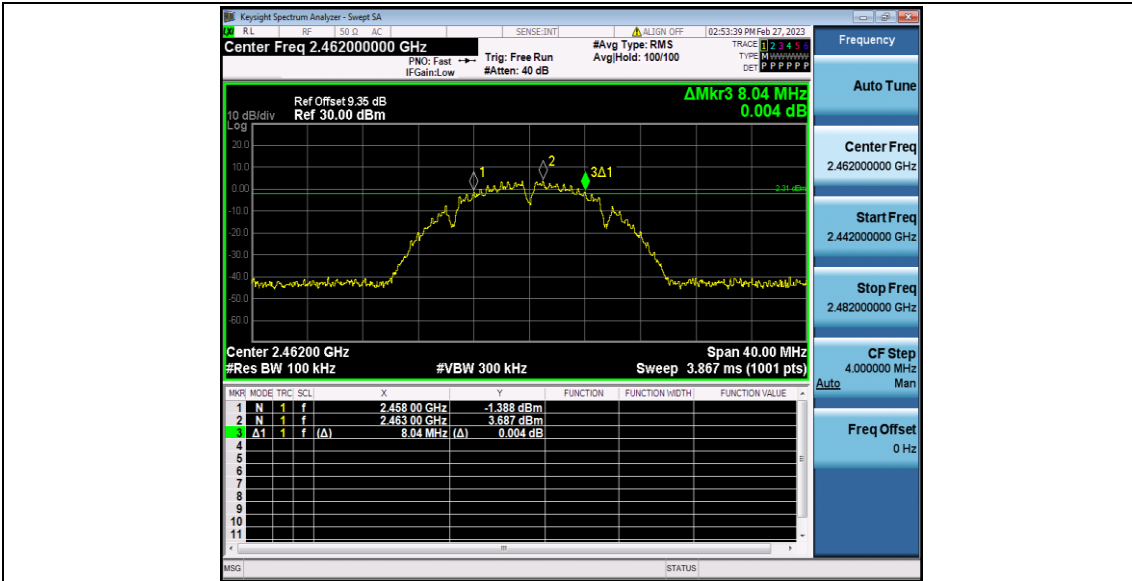
11B\_Ant1\_2412



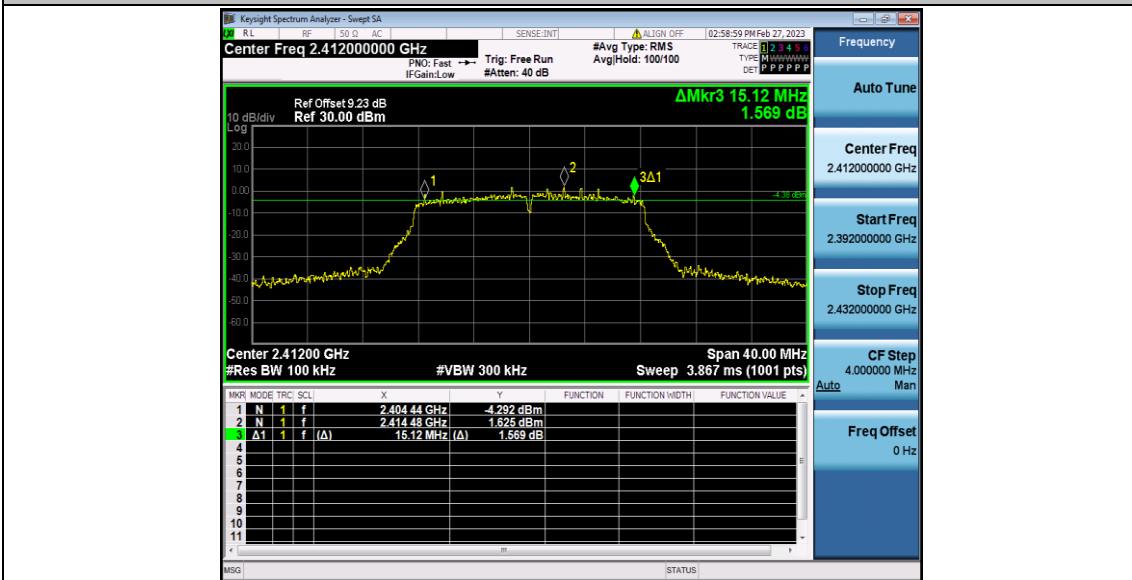
11B\_Ant1\_2437



11B\_Ant1\_2462



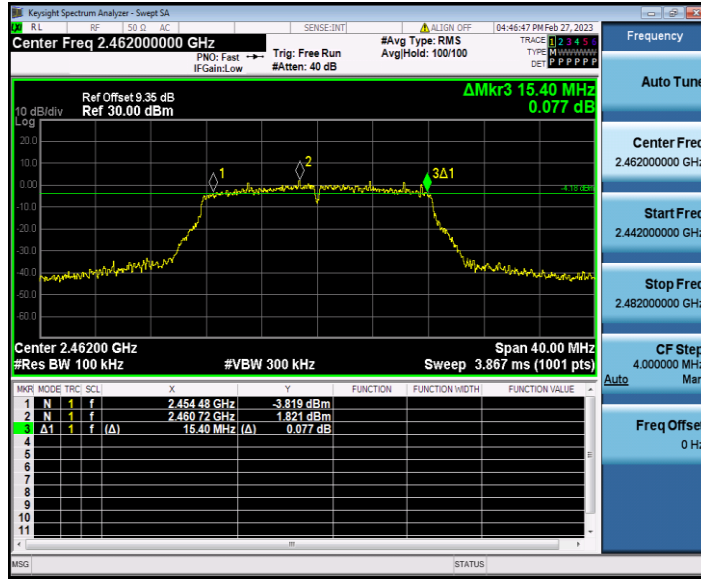
11G\_Ant1\_2412



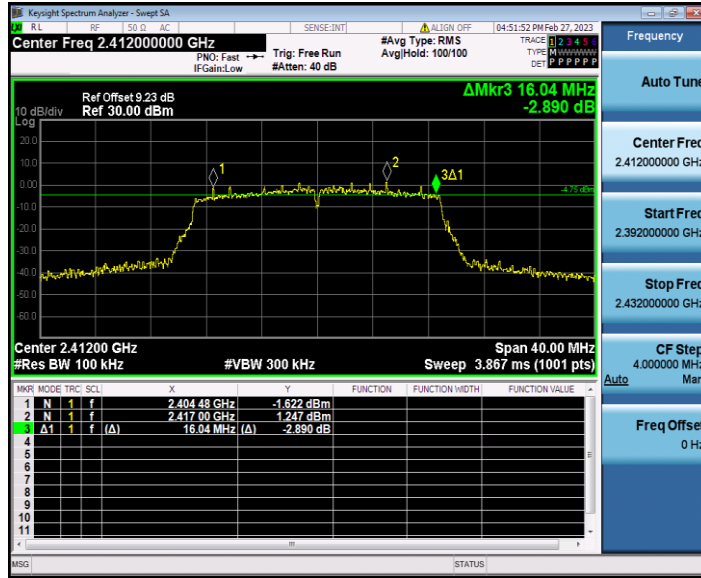
11G\_Ant1\_2437



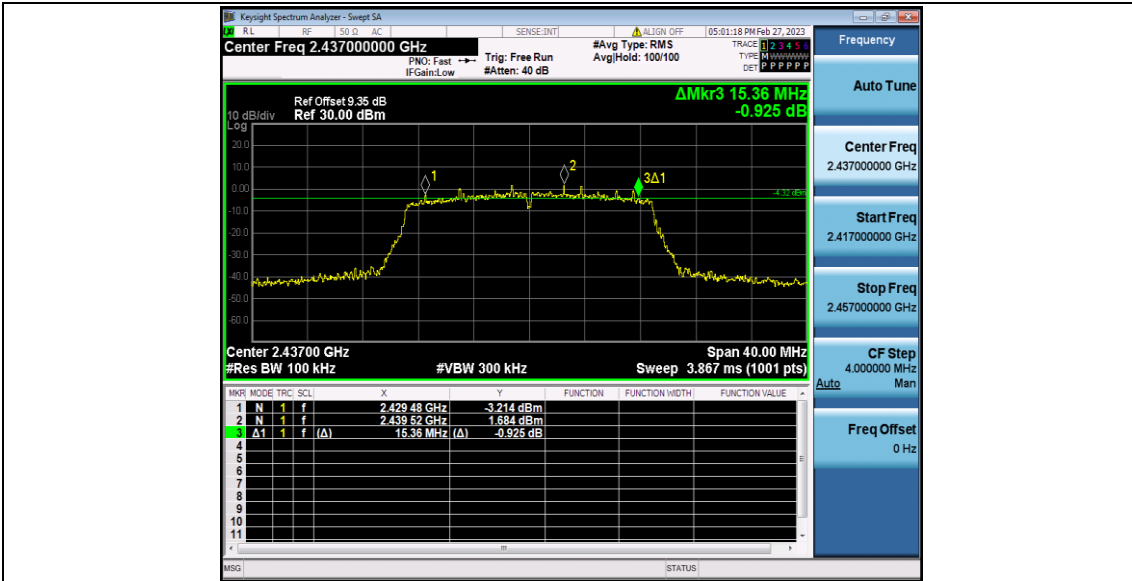
11G\_Ant1\_2462



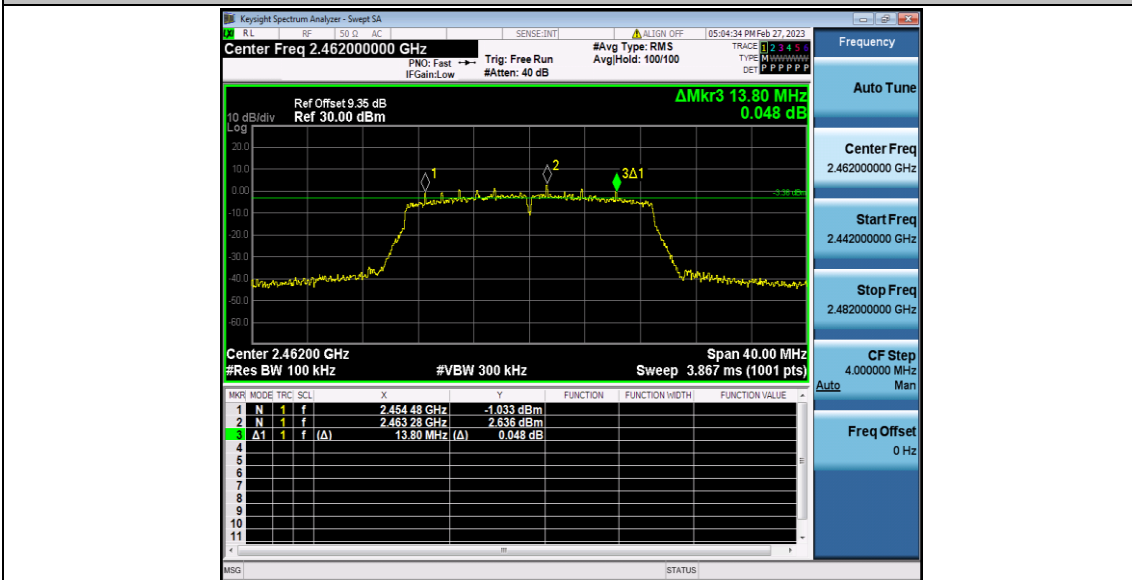
11N20SISO\_Ant1\_2412



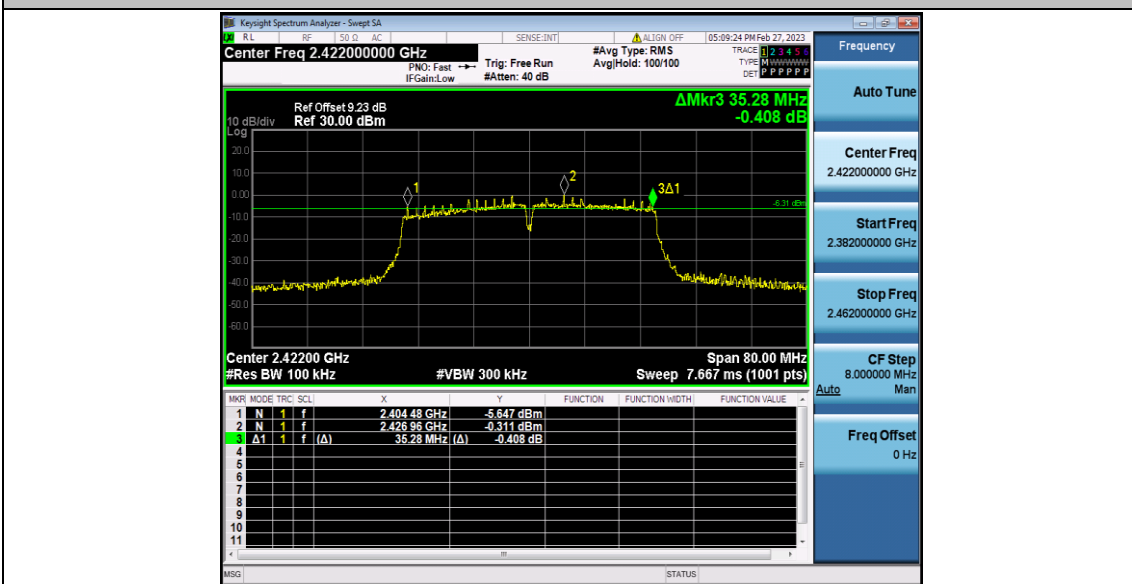
11N20SISO\_Ant1\_2437



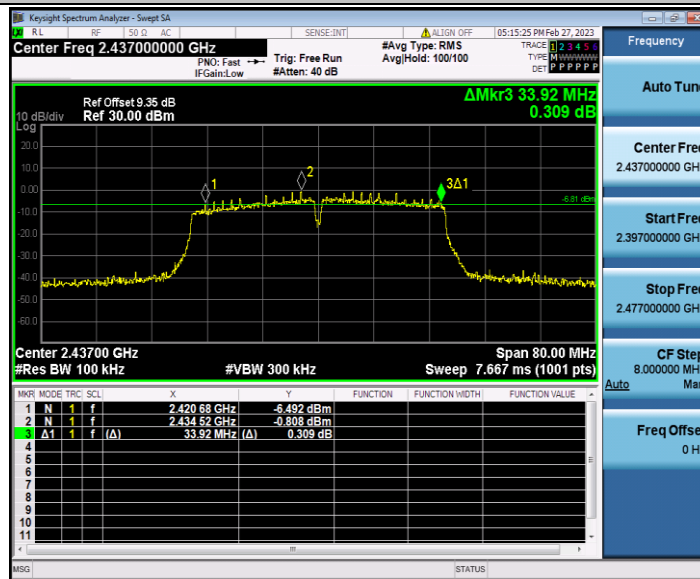
11N20SISO\_Ant1\_2462



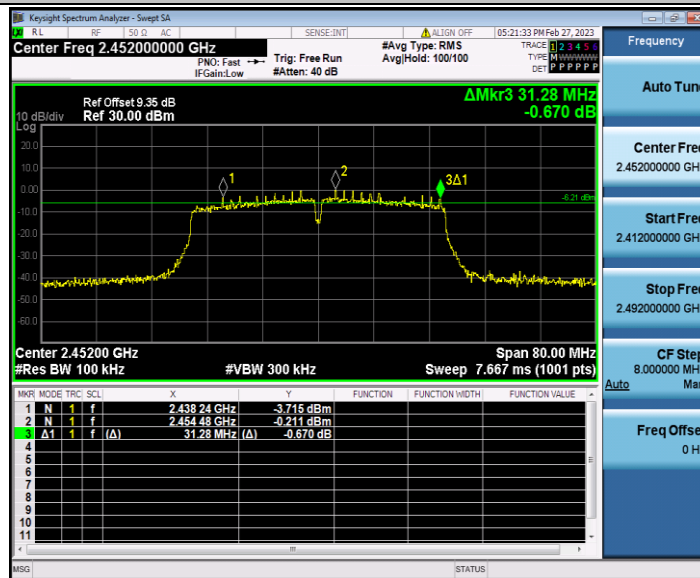
11N40SISO\_Ant1\_2422



11N40SISO\_Ant1\_2437



11N40SISO\_Ant1\_2452

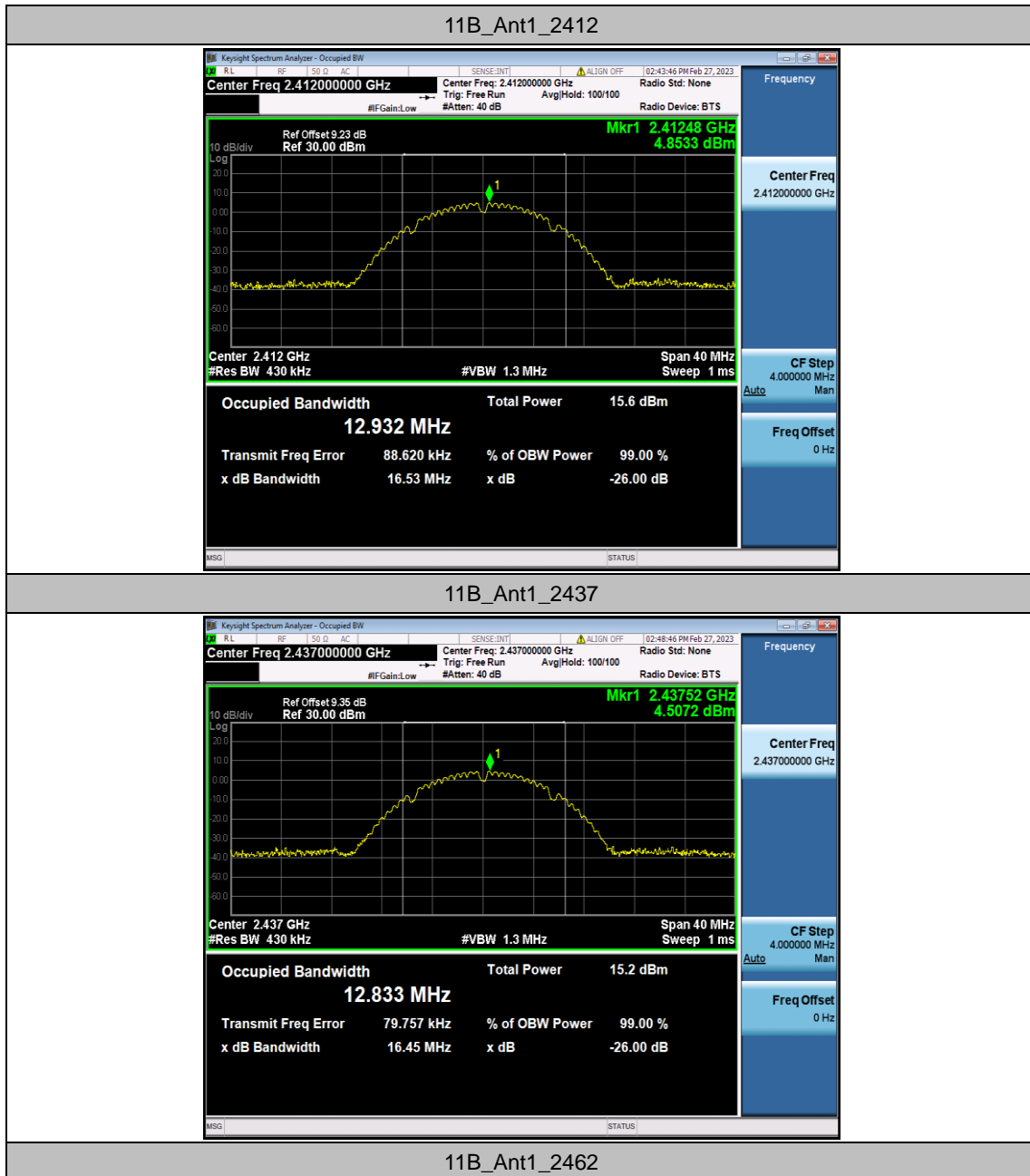


## Appendix C.2: Occupied Channel Bandwidth

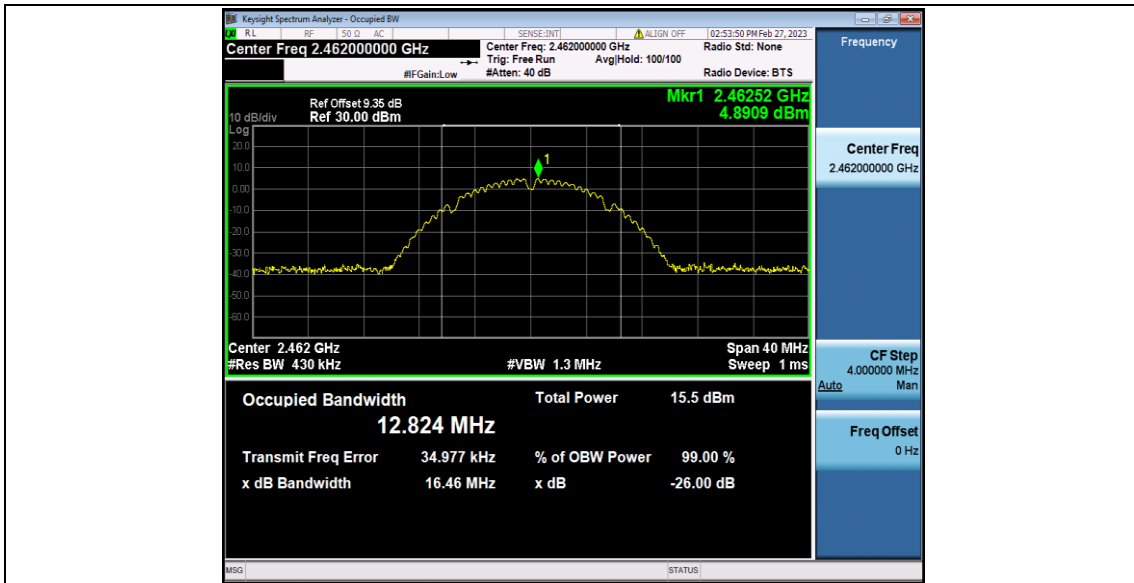
### Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.932	2405.623	2418.555	---	---
		2437	12.833	2430.663	2443.496	---	---
		2462	12.824	2455.623	2468.447	---	---
11G	Ant1	2412	16.845	2403.622	2420.467	---	---
		2437	16.849	2428.639	2445.488	---	---
		2462	16.829	2453.624	2470.453	---	---
11N20SISO	Ant1	2412	17.849	2403.145	2420.994	---	---
		2437	17.802	2428.177	2445.979	---	---
		2462	17.747	2453.155	2470.902	---	---
11N40SISO	Ant1	2422	36.123	2404.142	2440.265	---	---
		2437	36.117	2419.117	2455.234	---	---
		2452	36.093	2434.110	2470.203	---	---

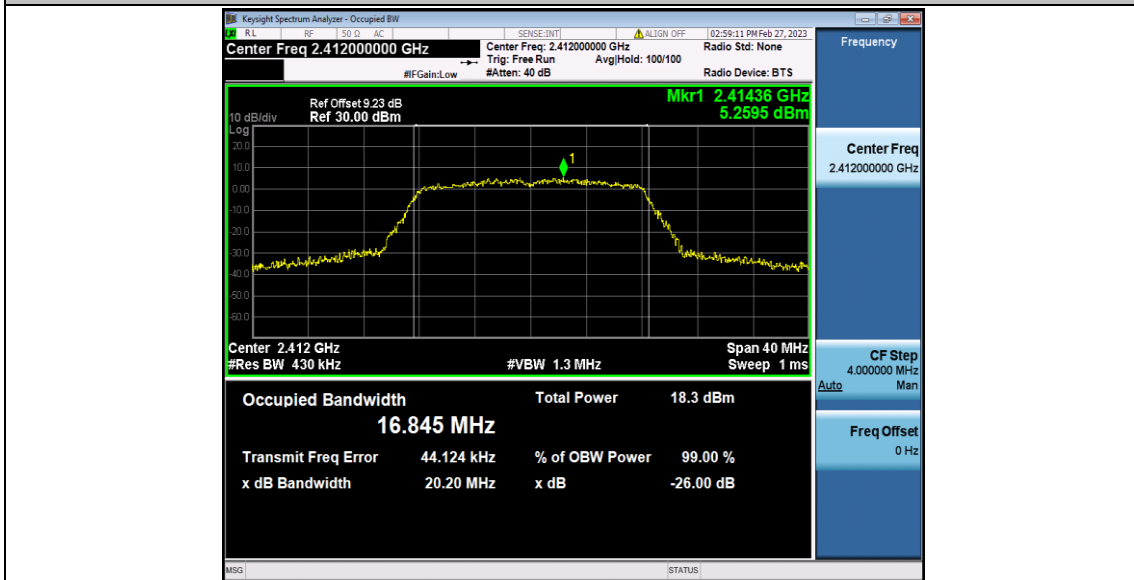
## Test Graphs







11G\_Ant1\_2412



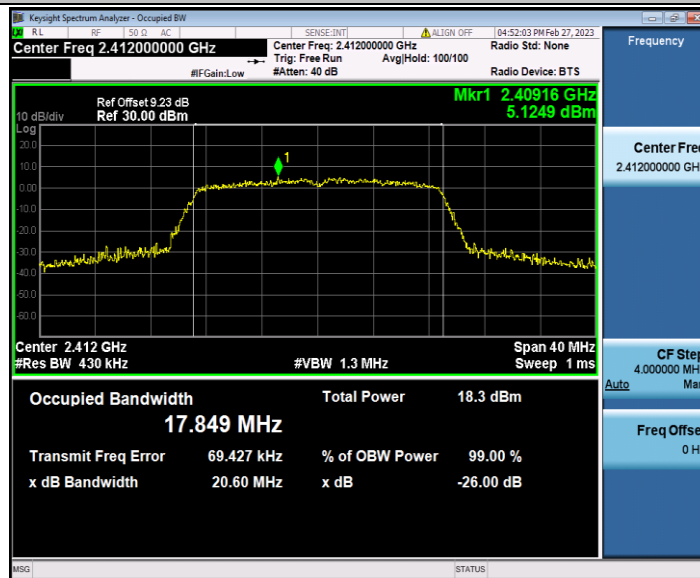
11G\_Ant1\_2437



11G\_Ant1\_2462



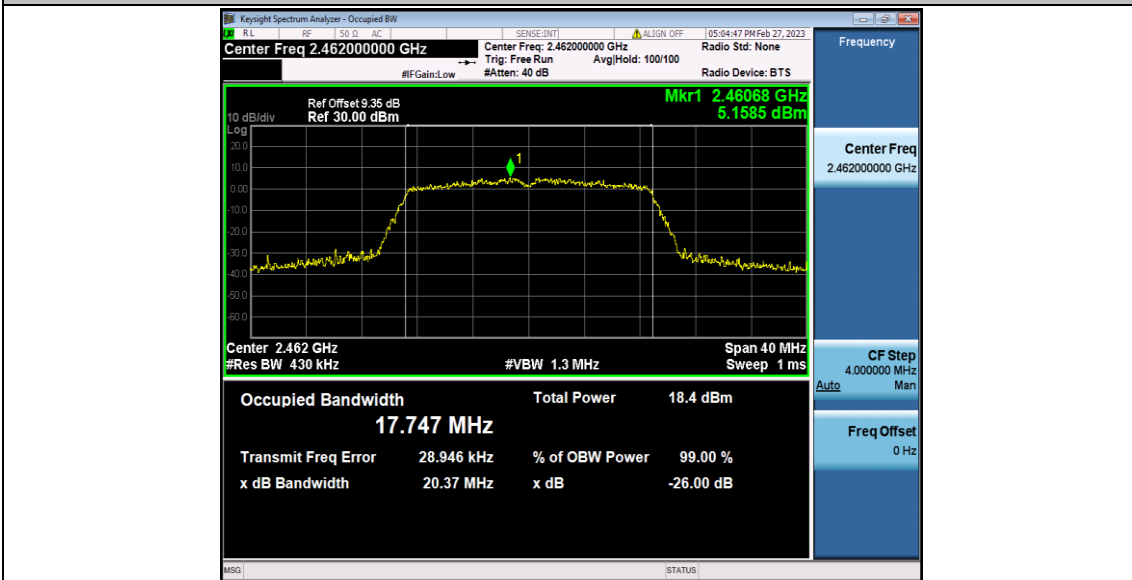
11N20SISO\_Ant1\_2412



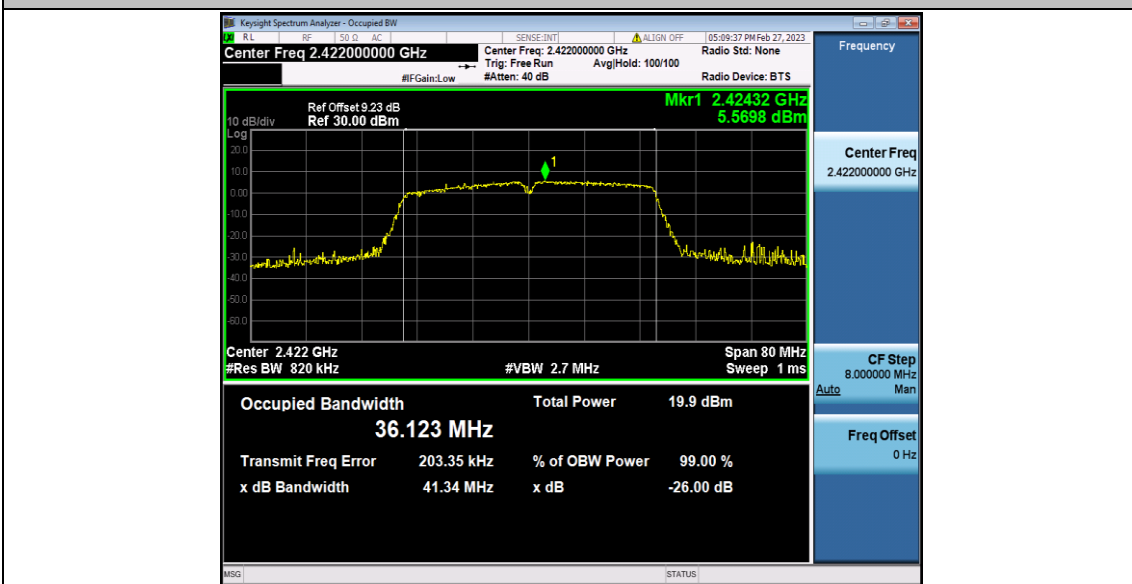
11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462



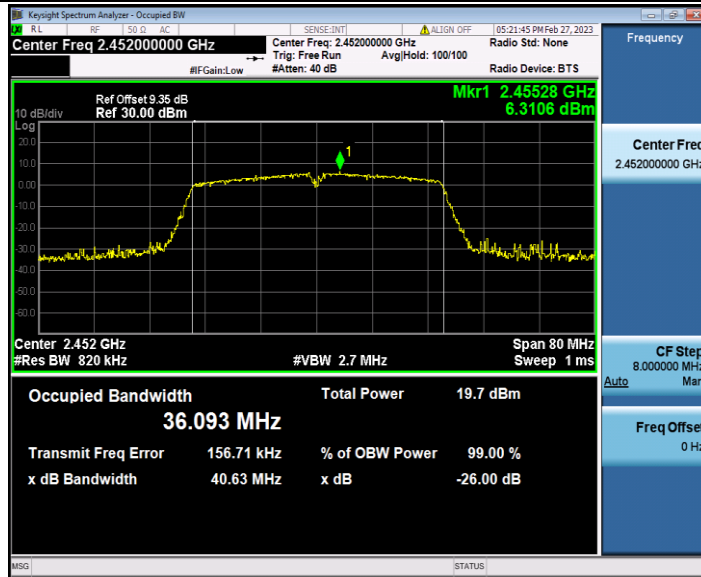
11N40SISO\_Ant1\_2422



11N40SISO\_Ant1\_2437



11N40SISO\_Ant1\_2452



## Appendix C.3: Maximum conducted output power

### Test Result Peak

TestMode	Antenna	Frequency[M Hz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	15.58	≤30.00	PASS
		2437	15.22	≤30.00	PASS
		2462	15.57	≤30.00	PASS
11G	Ant1	2412	19.41	≤30.00	PASS
		2437	20.30	≤30.00	PASS
		2462	20.77	≤30.00	PASS
11N20SISO	Ant1	2412	19.43	≤30.00	PASS
		2437	19.36	≤30.00	PASS
		2462	19.69	≤30.00	PASS
11N40SISO	Ant1	2422	20.21	≤30.00	PASS
		2437	19.65	≤30.00	PASS
		2452	20.00	≤30.00	PASS

## Appendix C.4: Maximum power spectral density

### Test Result

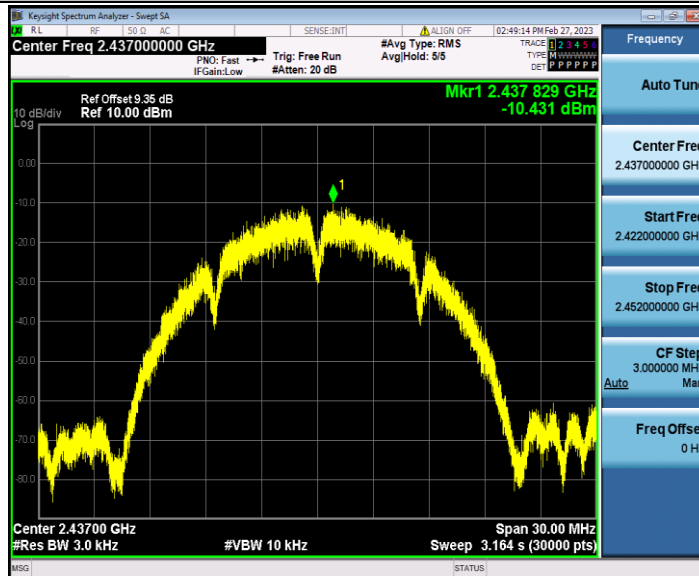
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-10.18	≤8.00	PASS
		2437	-10.43	≤8.00	PASS
		2462	-10.02	≤8.00	PASS
11G	Ant1	2412	-12.16	≤8.00	PASS
		2437	-10.96	≤8.00	PASS
		2462	-11.1	≤8.00	PASS
11N20SISO	Ant1	2412	-12	≤8.00	PASS
		2437	-11.79	≤8.00	PASS
		2462	-12.12	≤8.00	PASS
11N40SISO	Ant1	2422	-14.88	≤8.00	PASS
		2437	-14.77	≤8.00	PASS
		2452	-14.38	≤8.00	PASS

## Test Graphs

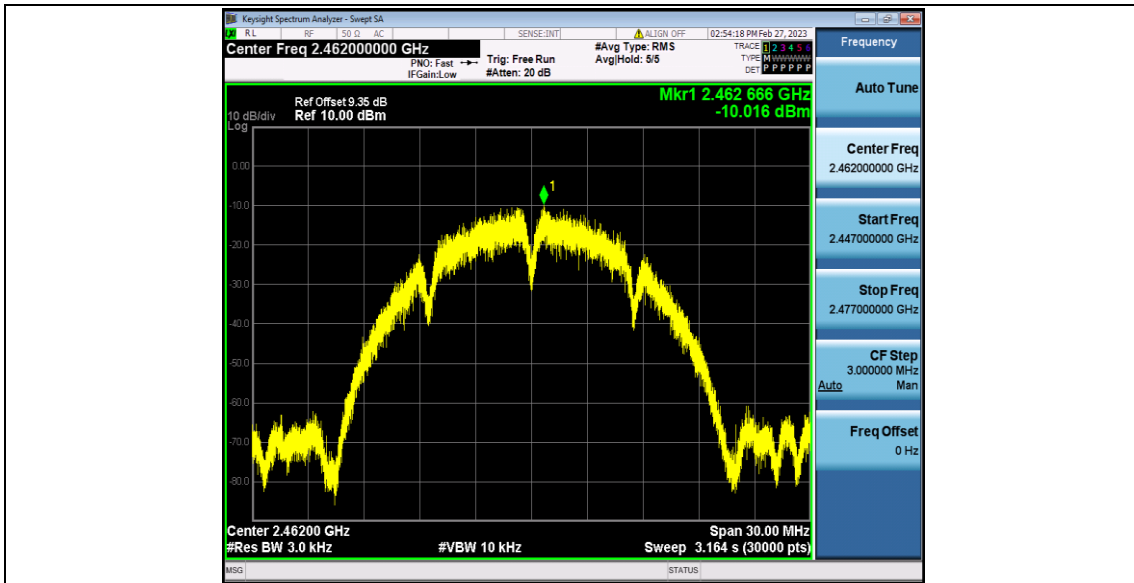
11B\_Ant1\_2412



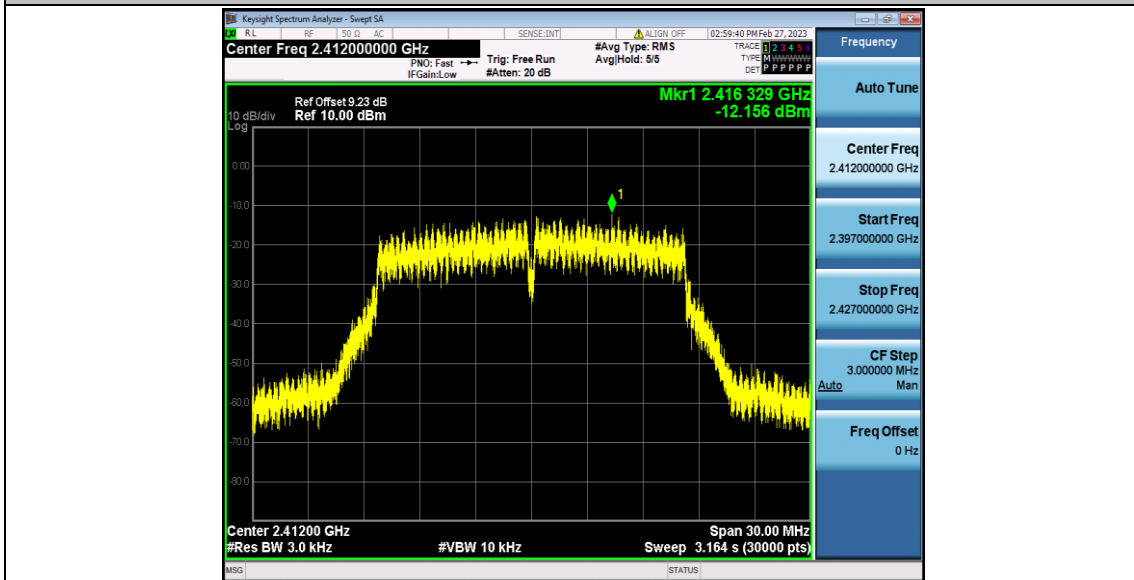
11B\_Ant1\_2437



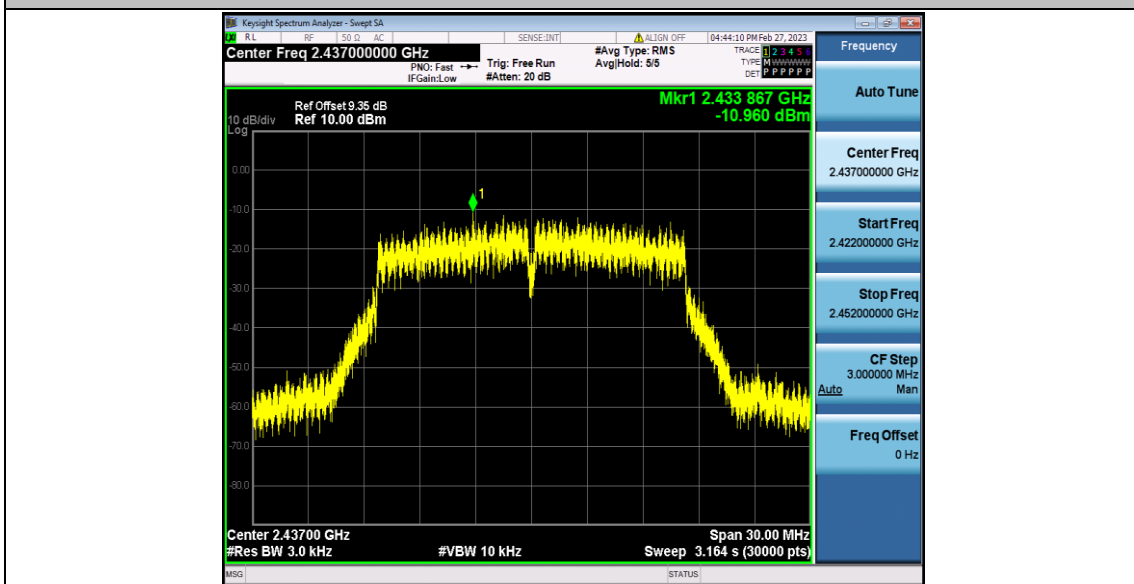
11B\_Ant1\_2462



11G\_Ant1\_2412

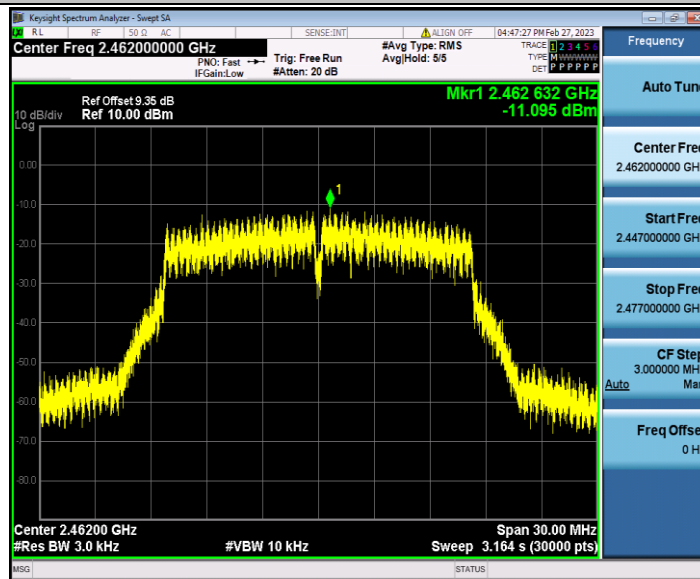


11G\_Ant1\_2437

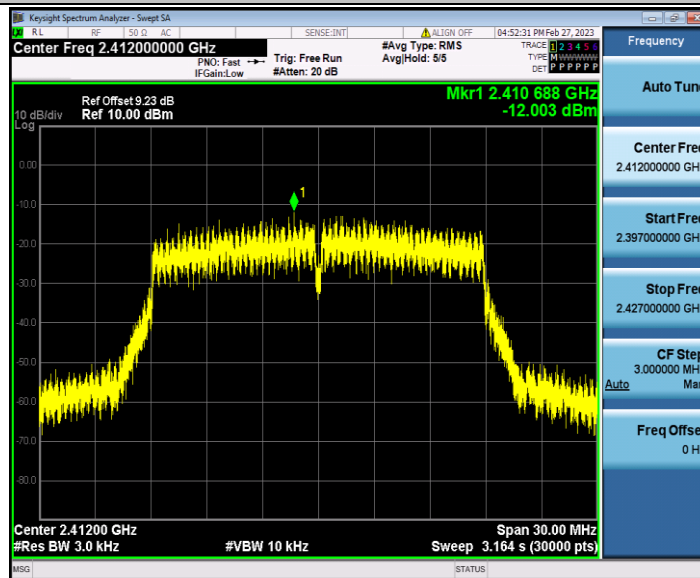




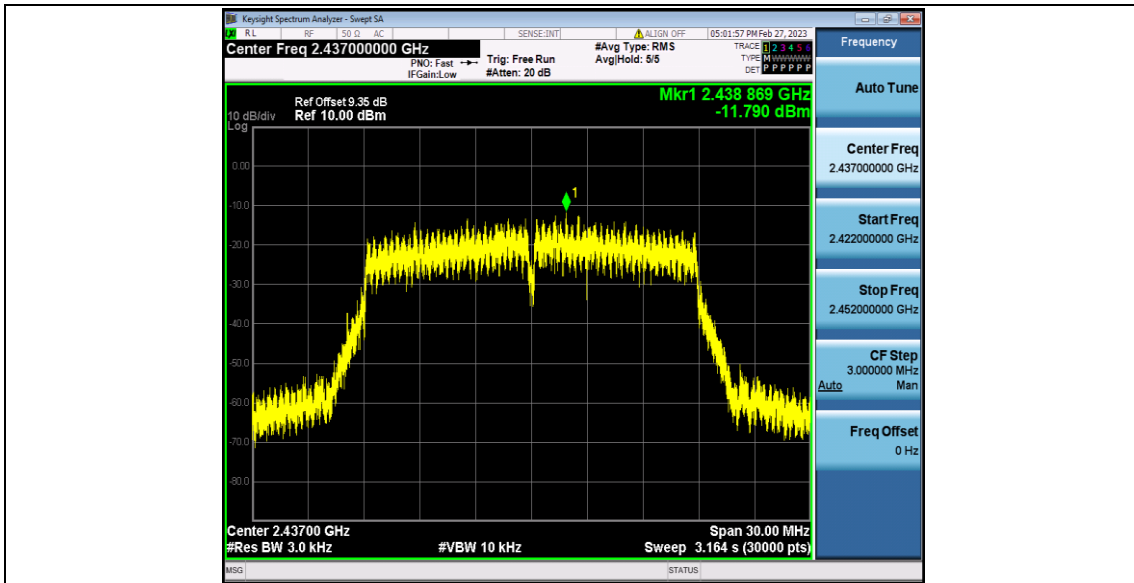
11G\_Ant1\_2462



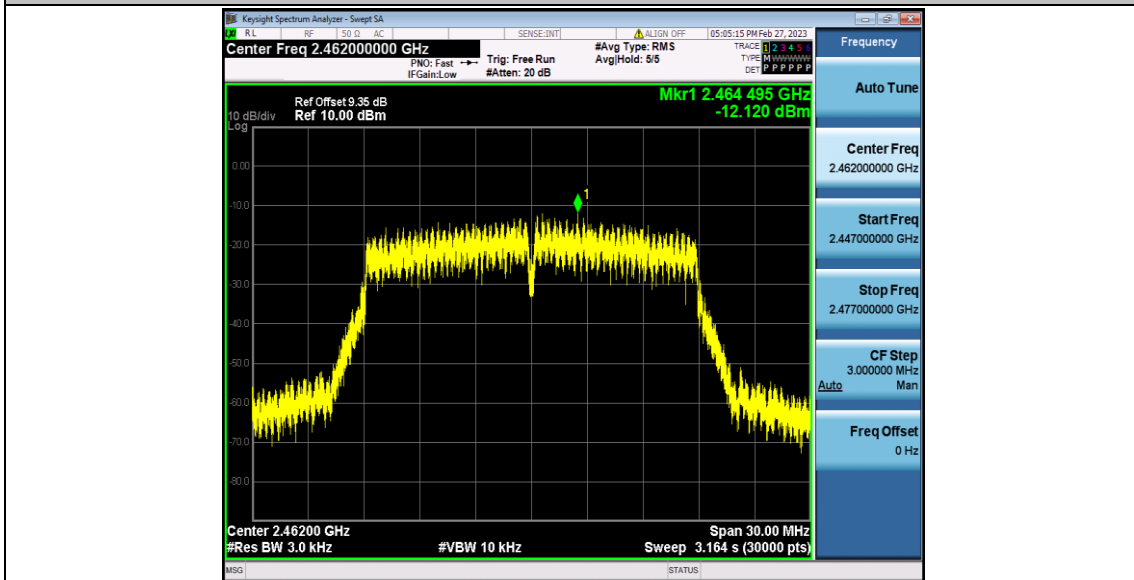
11N20SISO\_Ant1\_2412



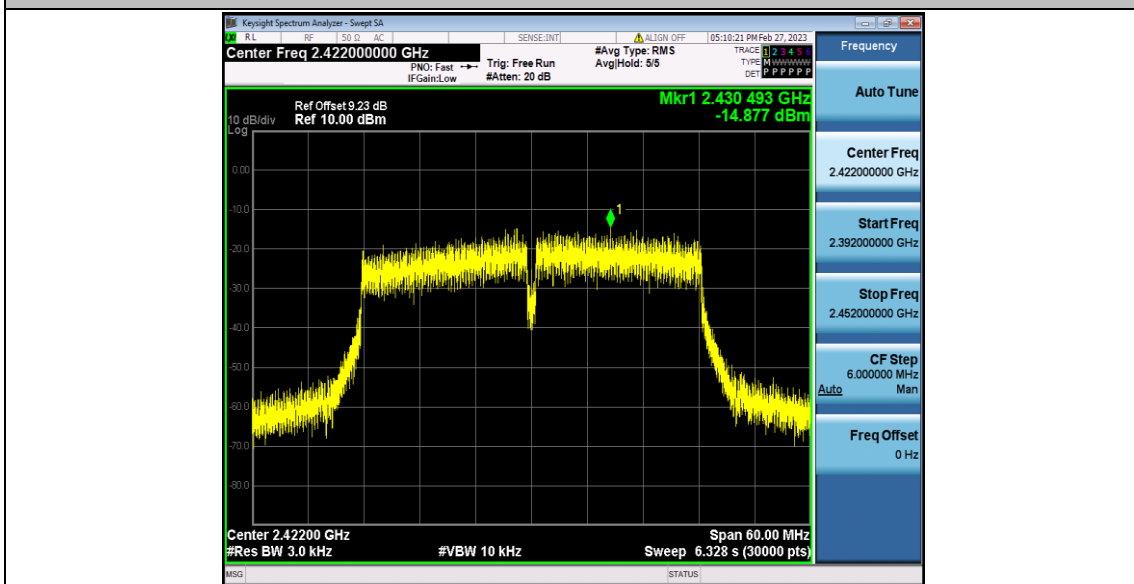
11N20SISO\_Ant1\_2437



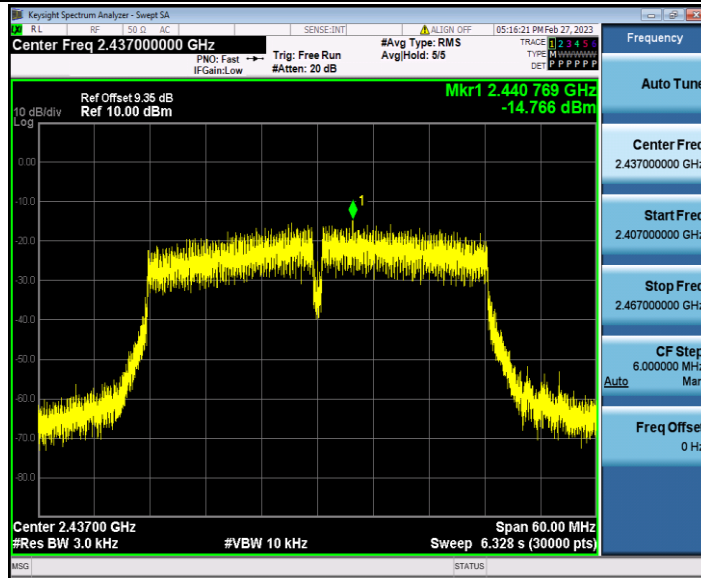
11N20SISO\_Ant1\_2462



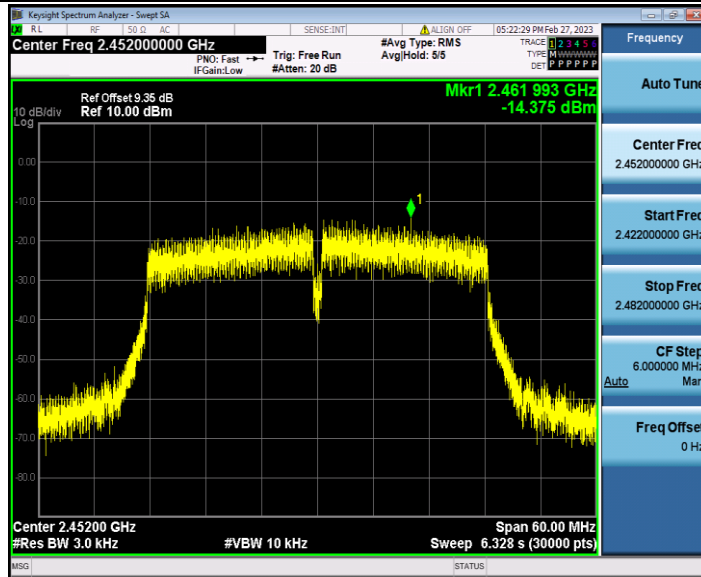
11N40SISO\_Ant1\_2422



11N40SISO\_Ant1\_2437



11N40SISO\_Ant1\_2452



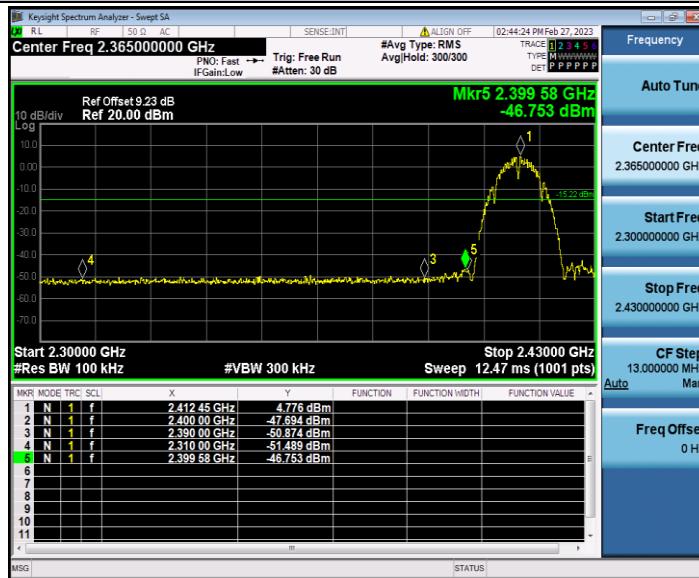
## Appendix C.5: Band edge measurements

### Test Result

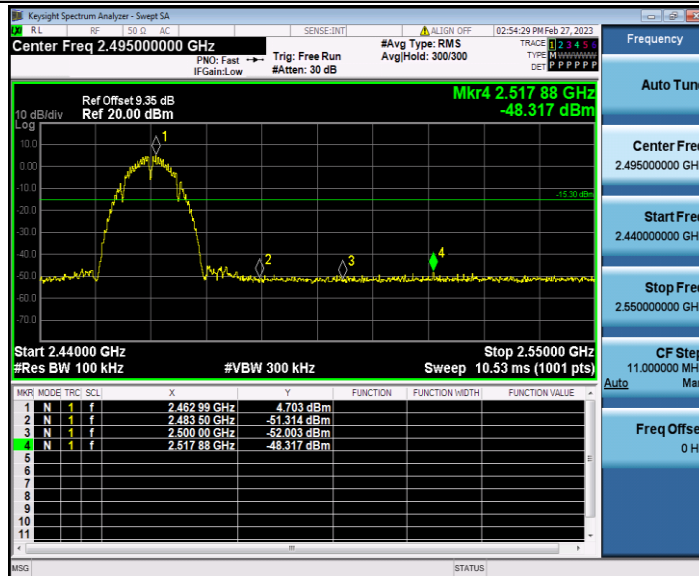
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.78	-46.75	≤-15.22	PASS
		High	2462	4.70	-48.32	≤-15.3	PASS
11G	Ant1	Low	2412	1.82	-35.06	≤-18.19	PASS
		High	2462	2.66	-46.6	≤-17.34	PASS
11N20SISO	Ant1	Low	2412	1.47	-34.8	≤-18.53	PASS
		High	2462	2.88	-47.78	≤-17.12	PASS
11N40SISO	Ant1	Low	2422	-0.09	-37.13	≤-20.09	PASS
		High	2452	-0.16	-40.64	≤-20.16	PASS

## Test Graphs

11B\_Ant1\_Low\_2412



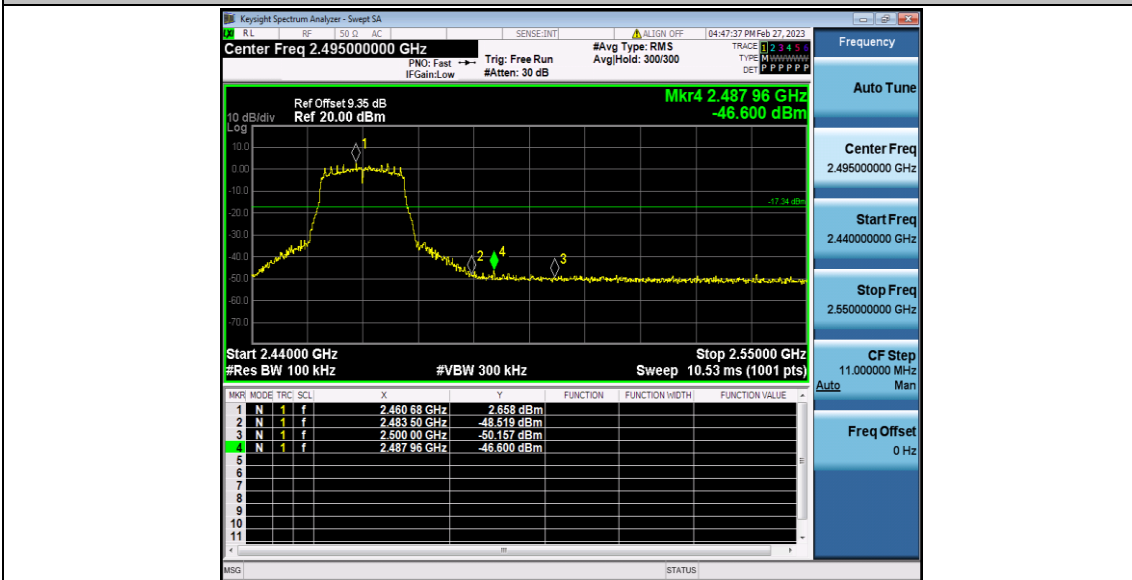
11B\_Ant1\_High\_2462



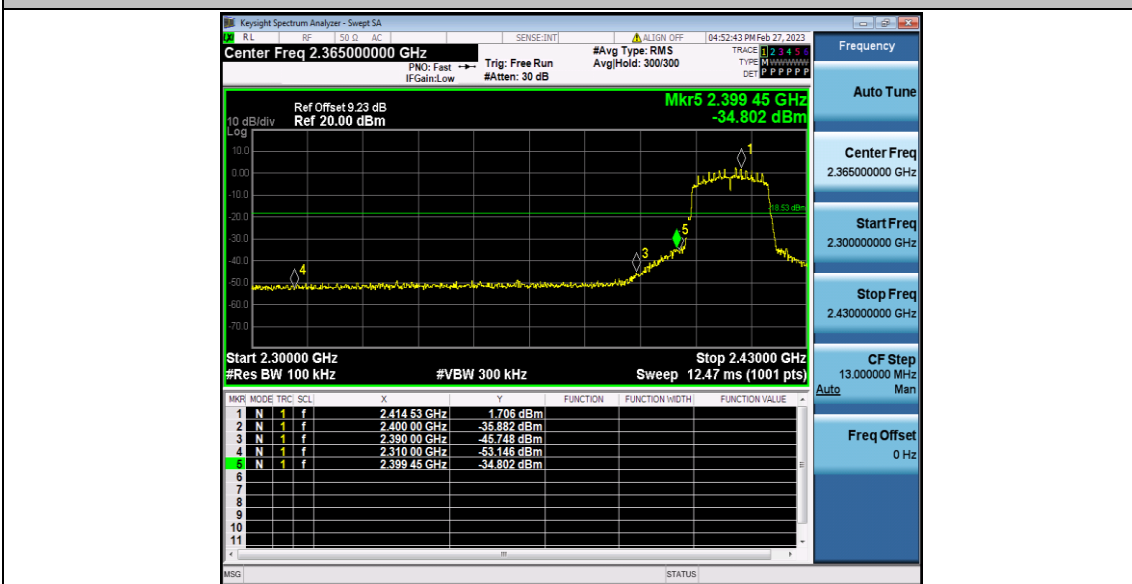
11G\_Ant1\_Low\_2412



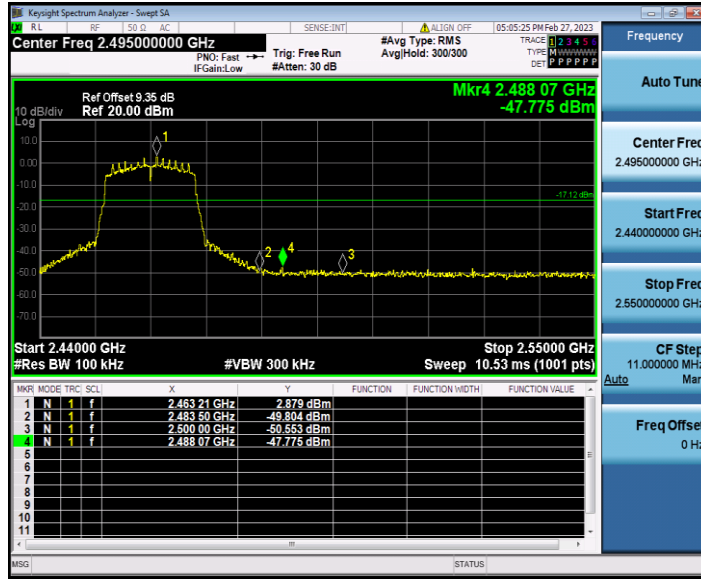
11G\_Ant1\_High\_2462



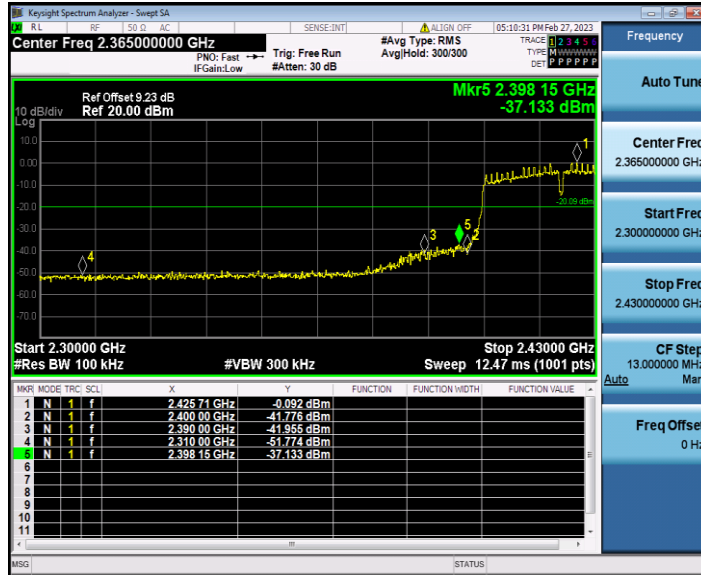
11N20SISO\_Ant1\_Low\_2412



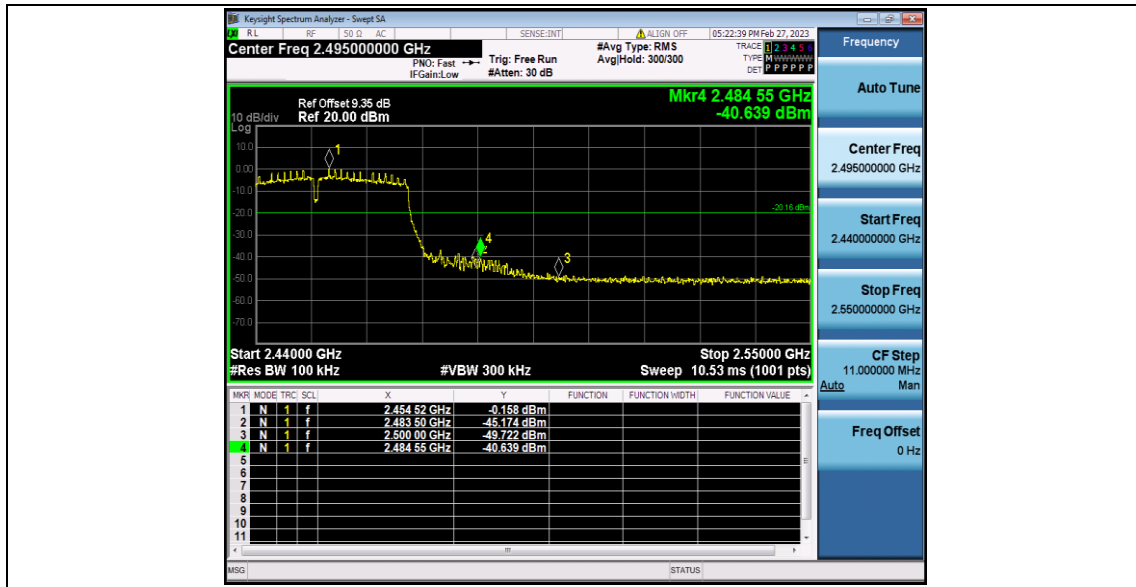
11N20SISO\_Ant1\_High\_2462



11N40SISO\_Ant1\_Low\_2422



11N40SISO\_Ant1\_High\_2452



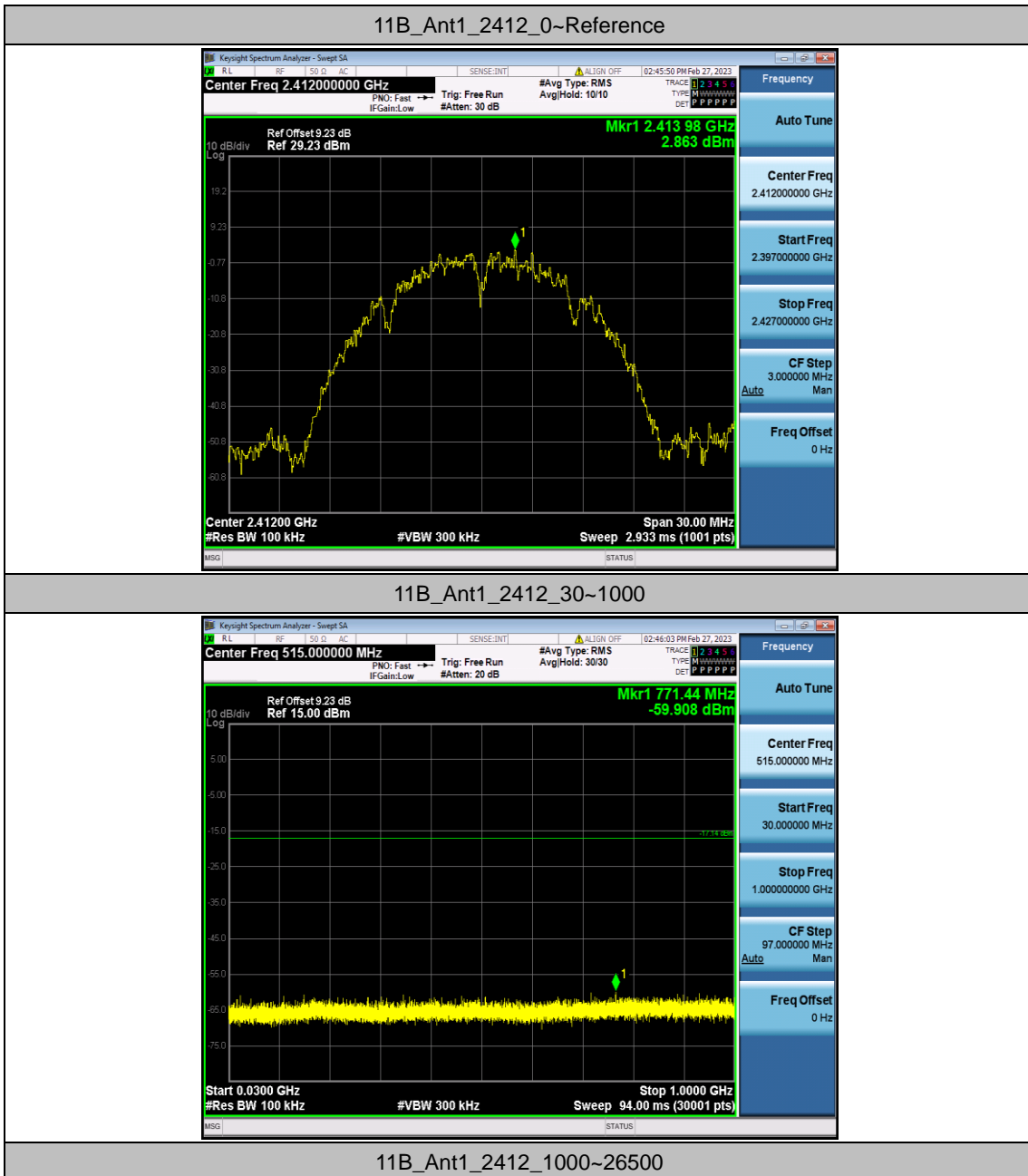


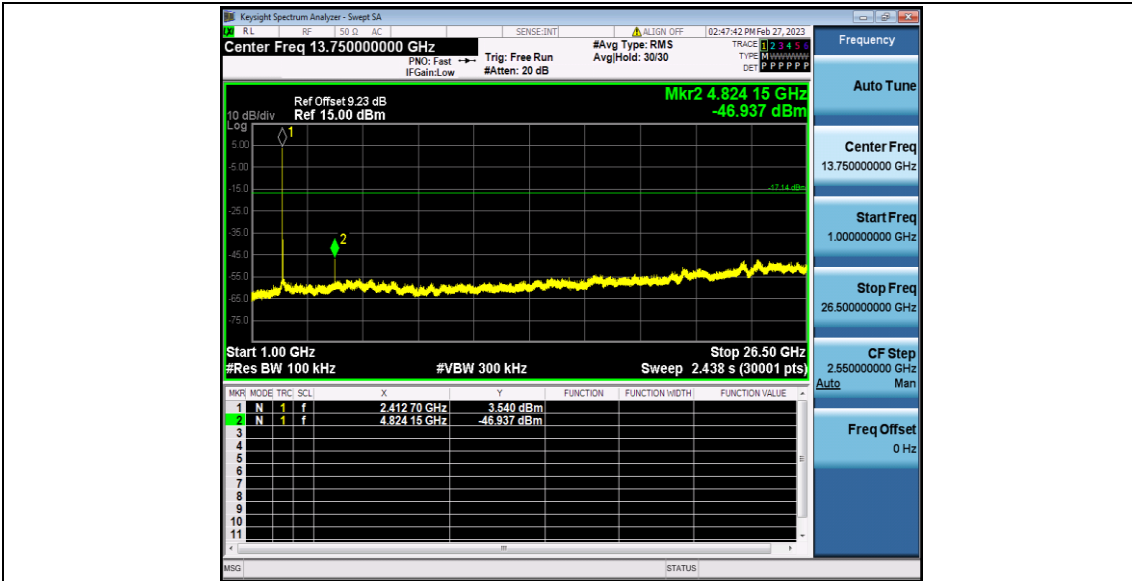
## Appendix C.6: Conducted Spurious Emission

### Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	2.86	2.86	---	PASS
			30~1000	2.86	-59.91	$\leq -17.14$	PASS
			1000~26500	2.86	-46.94	$\leq -17.14$	PASS
		2437	Reference	2.88	2.88	---	PASS
			30~1000	2.88	-59.92	$\leq -17.12$	PASS
			1000~26500	2.88	-46.27	$\leq -17.12$	PASS
		2462	Reference	3.28	3.28	---	PASS
			30~1000	3.28	-59.41	$\leq -16.72$	PASS
			1000~26500	3.28	-47.92	$\leq -16.72$	PASS
11G	Ant1	2412	Reference	-0.46	-0.46	---	PASS
			30~1000	-0.46	-60.33	$\leq -20.46$	PASS
			1000~26500	-0.46	-46.97	$\leq -20.46$	PASS
		2437	Reference	2.47	2.47	---	PASS
			30~1000	2.47	-59.42	$\leq -17.53$	PASS
			1000~26500	2.47	-47.26	$\leq -17.53$	PASS
		2462	Reference	-0.08	-0.08	---	PASS
			30~1000	-0.08	-59.66	$\leq -20.08$	PASS
			1000~26500	-0.08	-47.57	$\leq -20.08$	PASS
11N20SISO	Ant1	2412	Reference	-0.88	-0.88	---	PASS
			30~1000	-0.88	-60.24	$\leq -20.88$	PASS
			1000~26500	-0.88	-47.88	$\leq -20.88$	PASS
		2437	Reference	0.24	0.24	---	PASS
			30~1000	0.24	-59.7	$\leq -19.76$	PASS
			1000~26500	0.24	-47.55	$\leq -19.76$	PASS
		2462	Reference	-1.07	-1.07	---	PASS
			30~1000	-1.07	-59.5	$\leq -21.07$	PASS
			1000~26500	-1.07	-47.78	$\leq -21.07$	PASS
11N40SISO	Ant1	2422	Reference	-1.12	-1.12	---	PASS
			30~1000	-1.12	-59.48	$\leq -21.12$	PASS
			1000~26500	-1.12	-47.33	$\leq -21.12$	PASS
		2437	Reference	-1.77	-1.77	---	PASS
			30~1000	-1.77	-59.89	$\leq -21.77$	PASS
			1000~26500	-1.77	-47.11	$\leq -21.77$	PASS
		2452	Reference	-2.25	-2.25	---	PASS
			30~1000	-2.25	-60.17	$\leq -22.25$	PASS
			1000~26500	-2.25	-47.58	$\leq -22.25$	PASS

## Test Graphs

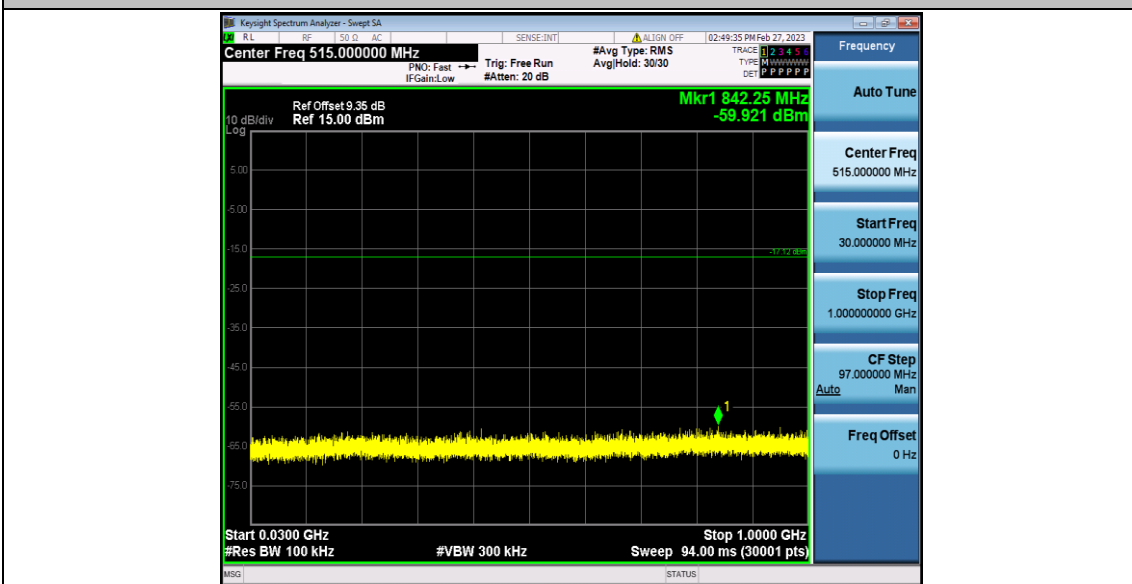




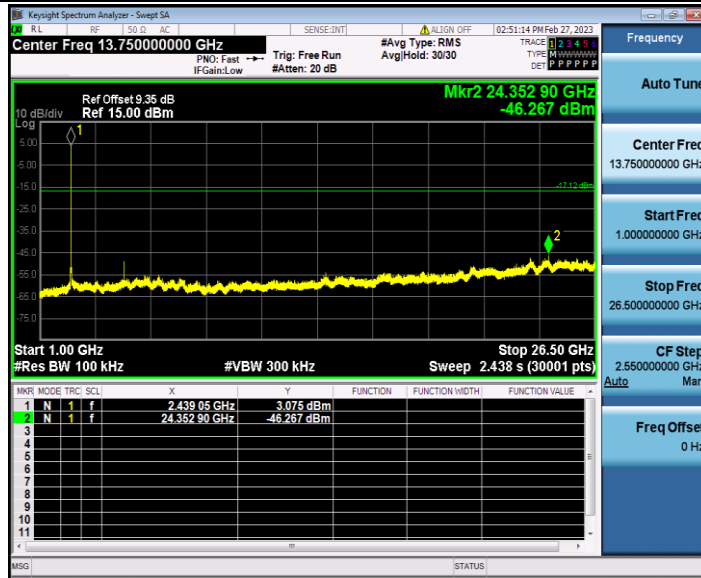
11B\_Ant1\_2437\_0-Reference



11B\_Ant1\_2437\_30-1000



11B\_Ant1\_2437\_1000~26500



11B\_Ant1\_2462\_0~Reference



11B\_Ant1\_2462\_30~1000