

<b>Case No. :</b> <u>GTS20230210003-1-5</u>
<b>Ambient Condition:</b> <u>24</u> °C, <u>49</u> %RH, Atmos100.1Kpa,
<b>Test Date:</b> <u>2023.2.28</u> <b>Test Engineer:</b> <u>Jenny zeng</u>

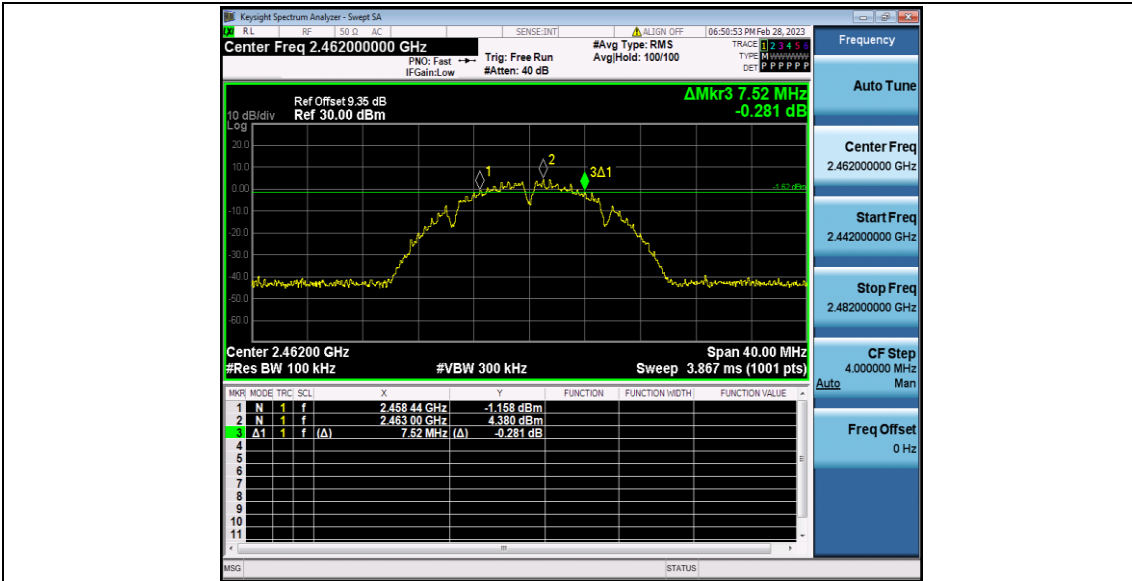
## Appendix C.1: DTS Bandwidth

### Test Result

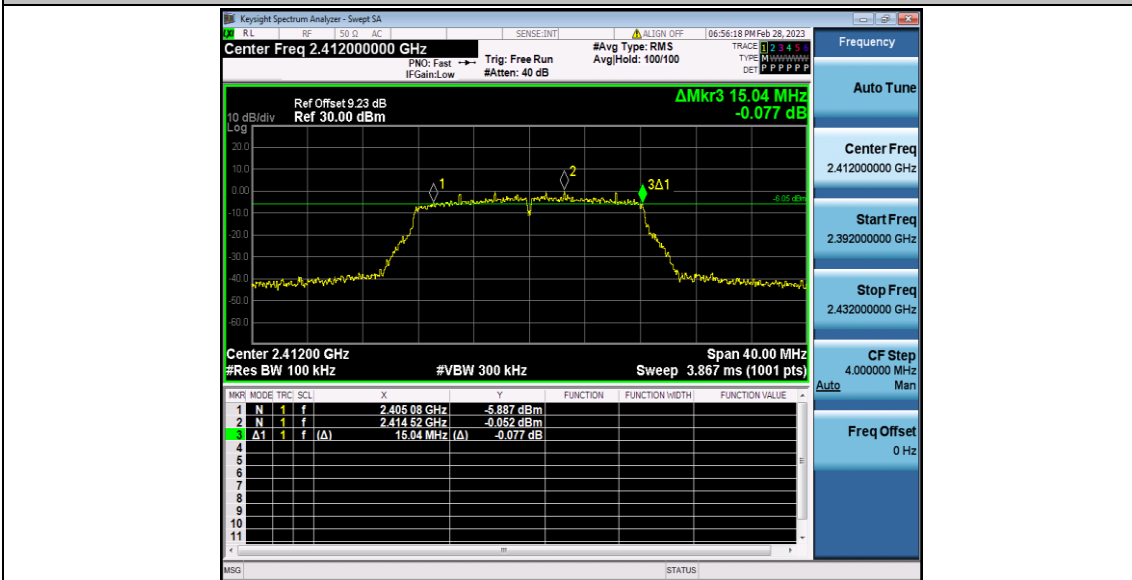
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	8.520	2408.000	2416.520	0.5	PASS
		2437	7.560	2433.000	2440.560	0.5	PASS
		2462	7.520	2458.440	2465.960	0.5	PASS
11G	Ant2	2412	15.040	2405.080	2420.120	0.5	PASS
		2437	12.800	2430.720	2443.520	0.5	PASS
		2462	15.080	2454.480	2469.560	0.5	PASS
11N20SISO	Ant2	2412	15.000	2404.440	2419.440	0.5	PASS
		2437	15.040	2429.480	2444.520	0.5	PASS
		2462	12.840	2456.640	2469.480	0.5	PASS
11N40SISO	Ant2	2422	35.440	2404.480	2439.920	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





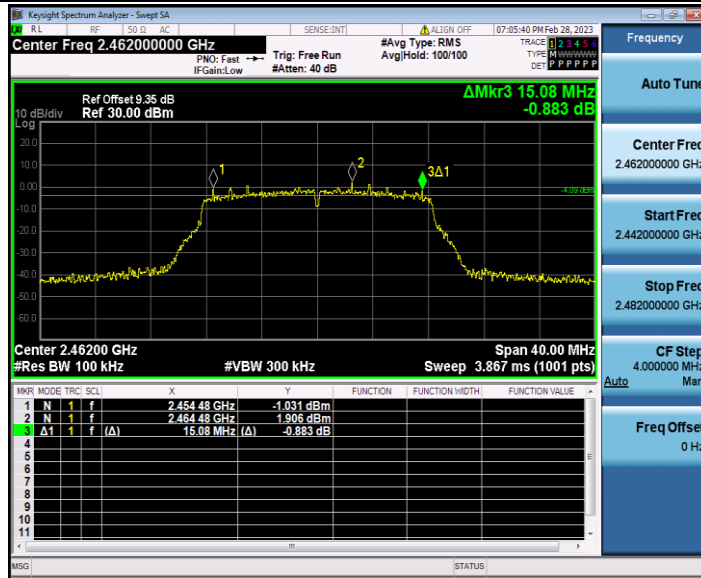
11G\_Ant2\_2412



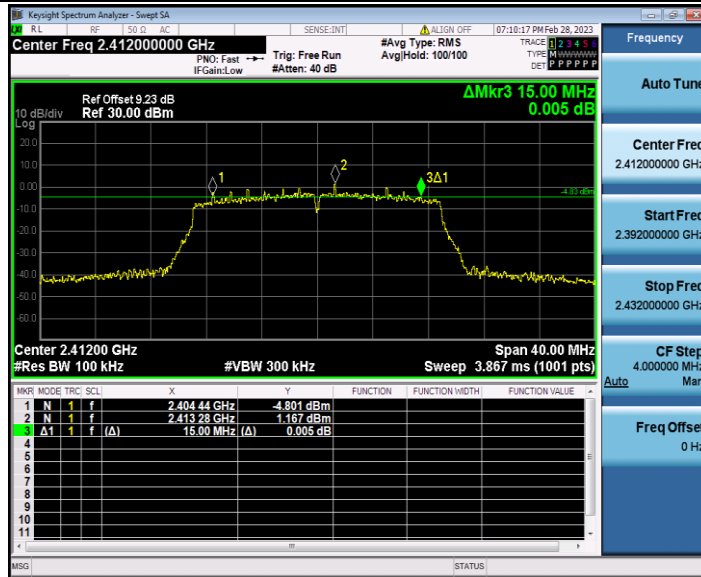
11G\_Ant2\_2437



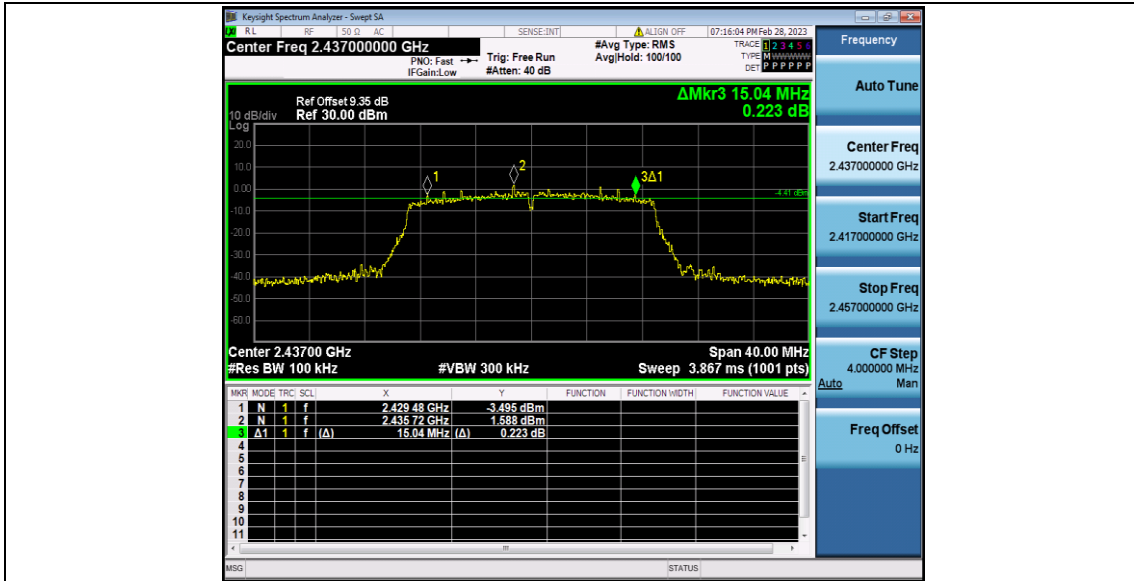
11G\_Ant2\_2462



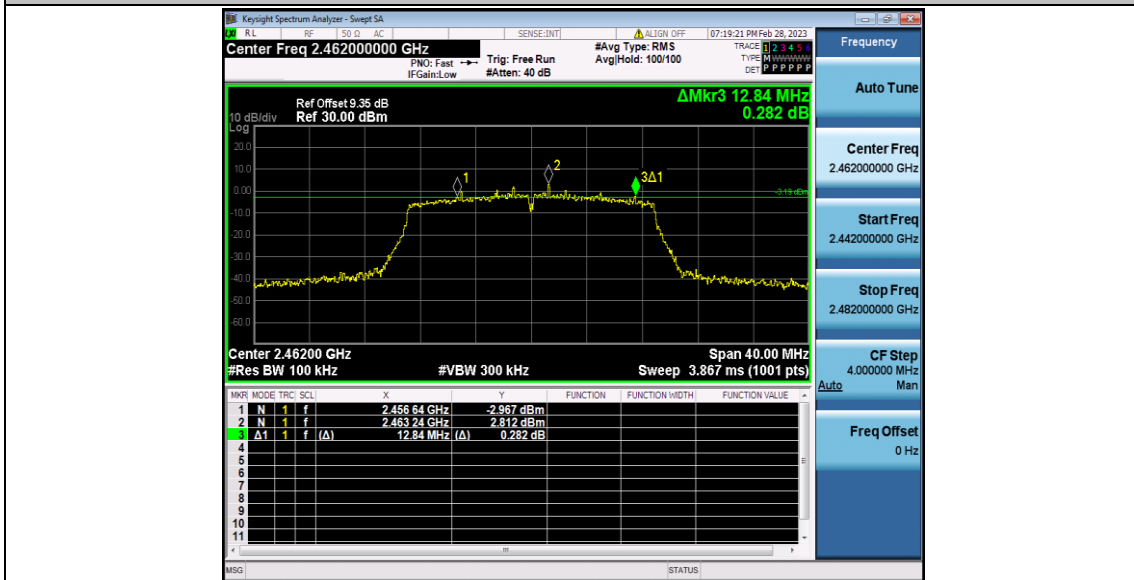
11N20SISO\_Ant2\_2412



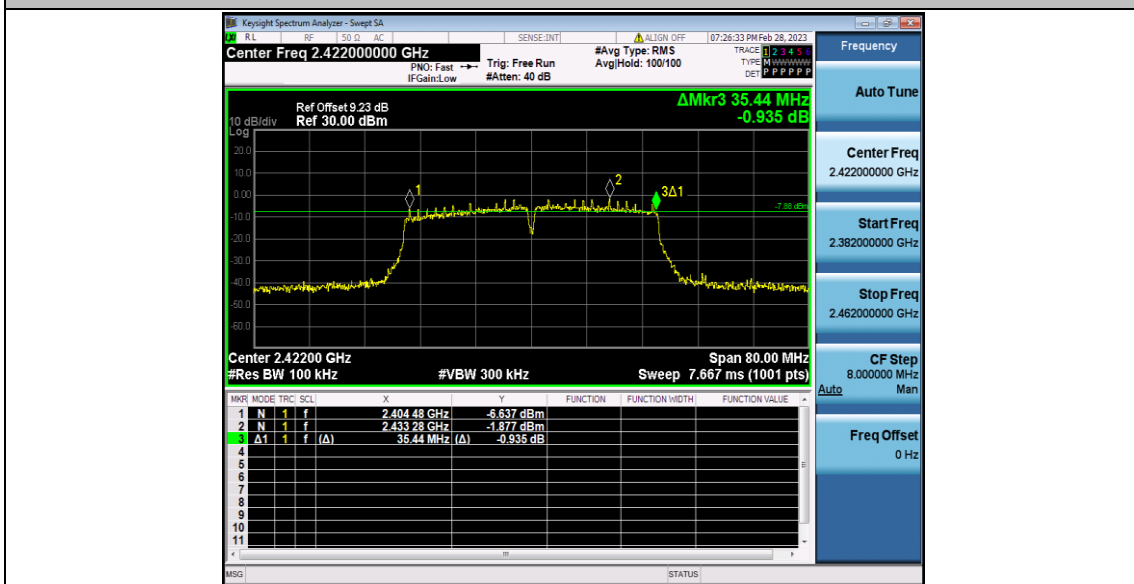
11N20SISO\_Ant2\_2437



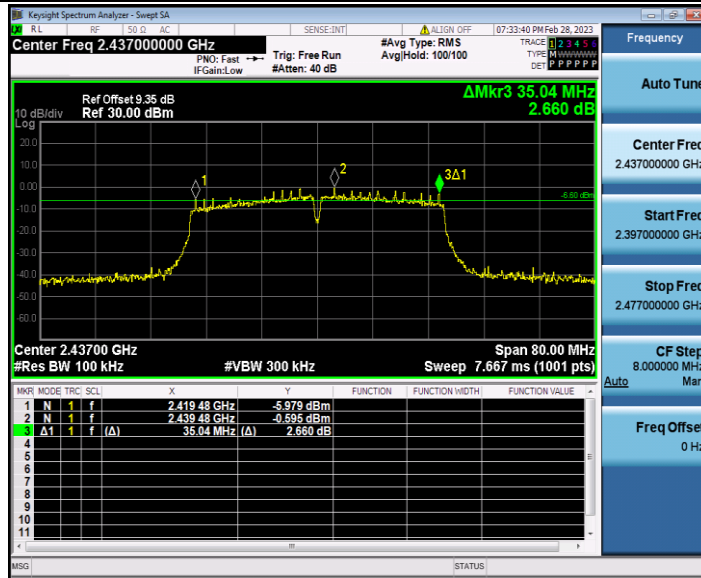
11N20SISO\_Ant2\_2462



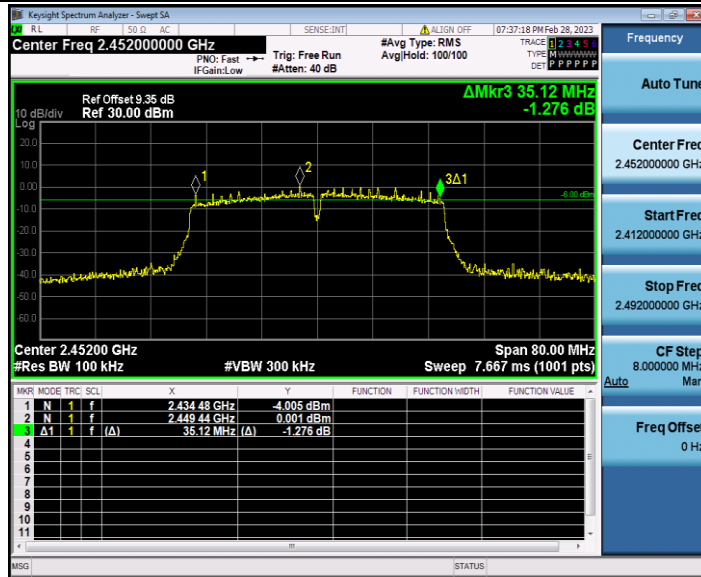
11N40SISO\_Ant2\_2422



11N40SISO\_Ant2\_2437



11N40SISO\_Ant2\_2452

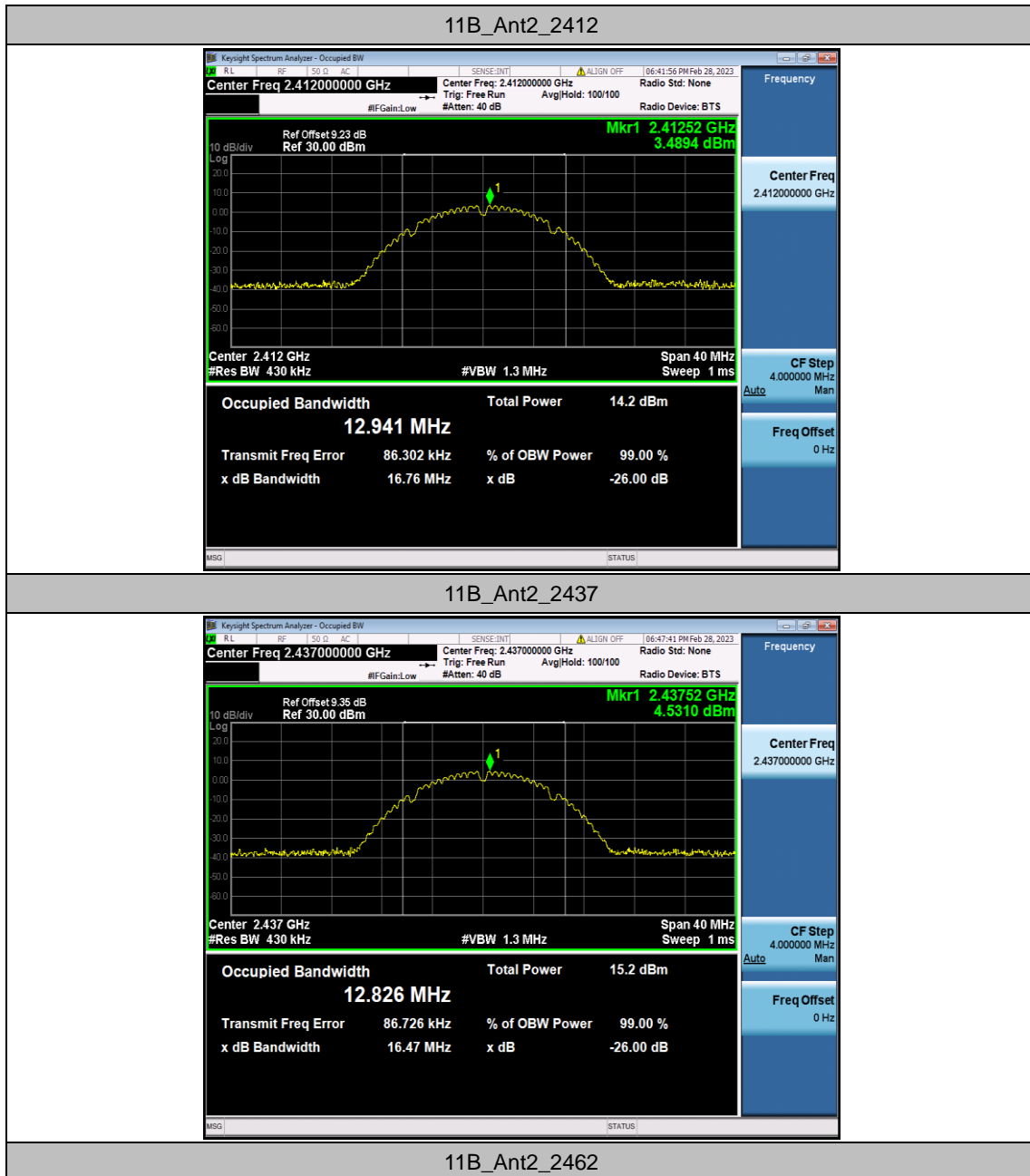


## Appendix C.2: Occupied Channel Bandwidth

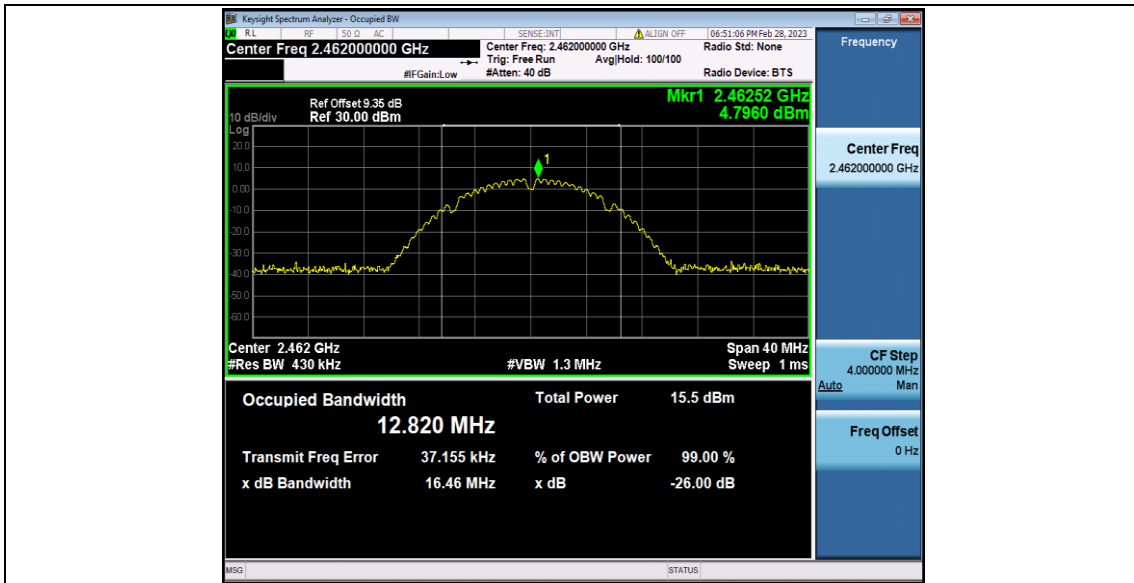
### Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	12.941	2405.616	2418.557	---	---
		2437	12.826	2430.674	2443.500	---	---
		2462	12.820	2455.627	2468.447	---	---
11G	Ant2	2412	16.918	2403.586	2420.504	---	---
		2437	16.838	2428.666	2445.504	---	---
		2462	16.769	2453.659	2470.428	---	---
11N20SISO	Ant2	2412	17.779	2403.190	2420.969	---	---
		2437	17.770	2428.203	2445.973	---	---
		2462	17.772	2453.147	2470.919	---	---
11N40SISO	Ant2	2422	36.191	2404.109	2440.300	---	---
		2437	36.036	2419.158	2455.194	---	---
		2452	36.053	2434.103	2470.156	---	---

## Test Graphs







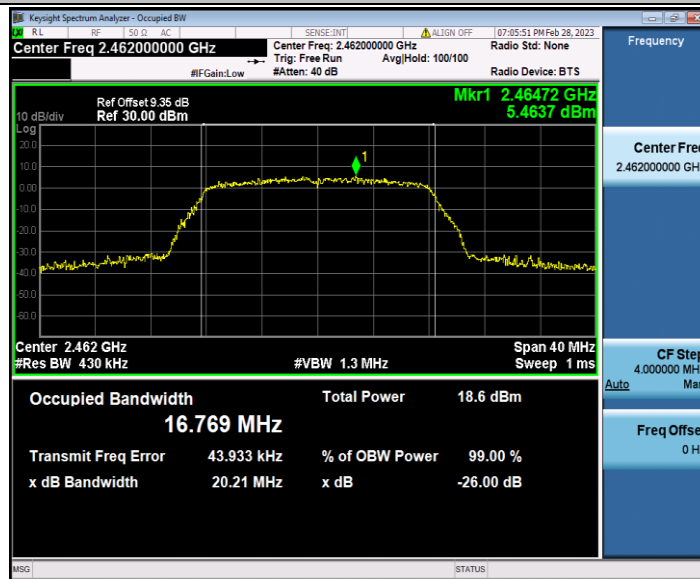
11G\_Ant2\_2412



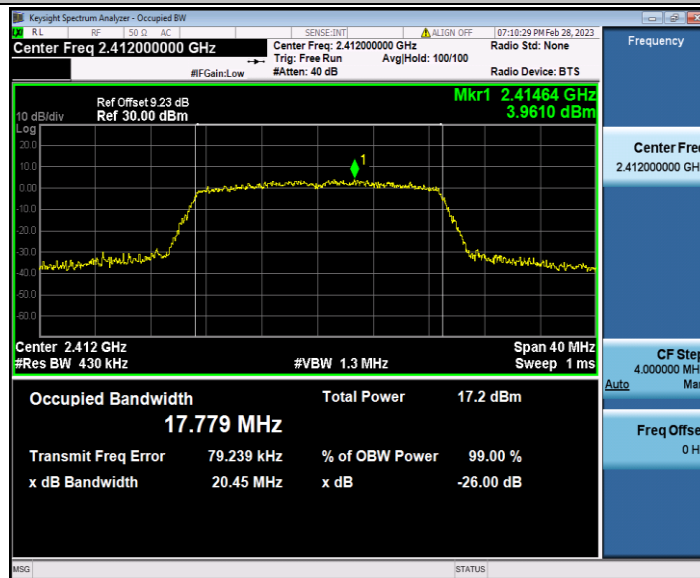
11G\_Ant2\_2437



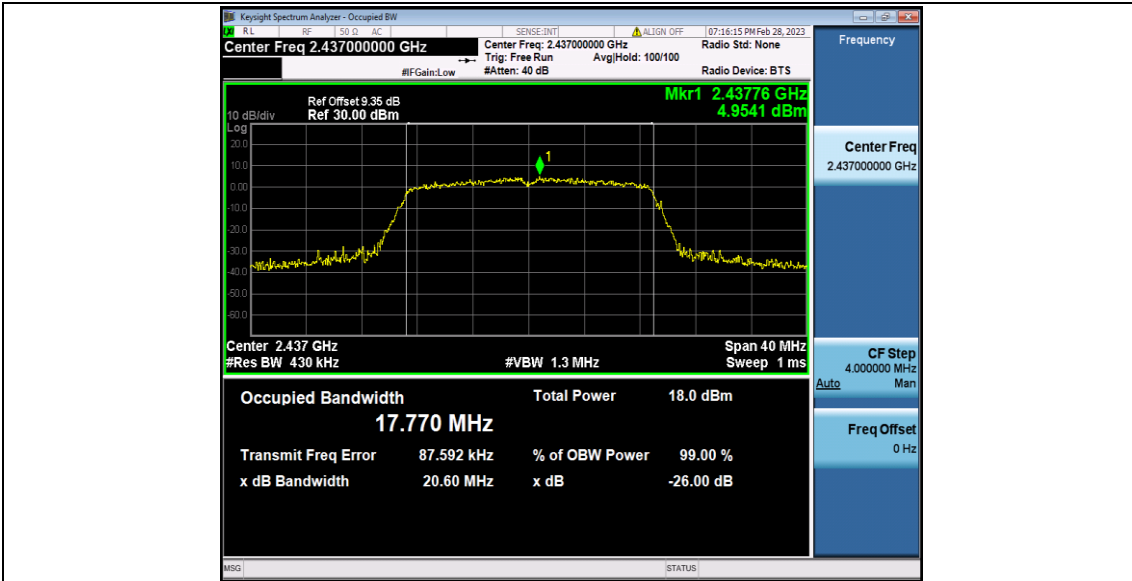
11G\_Ant2\_2462



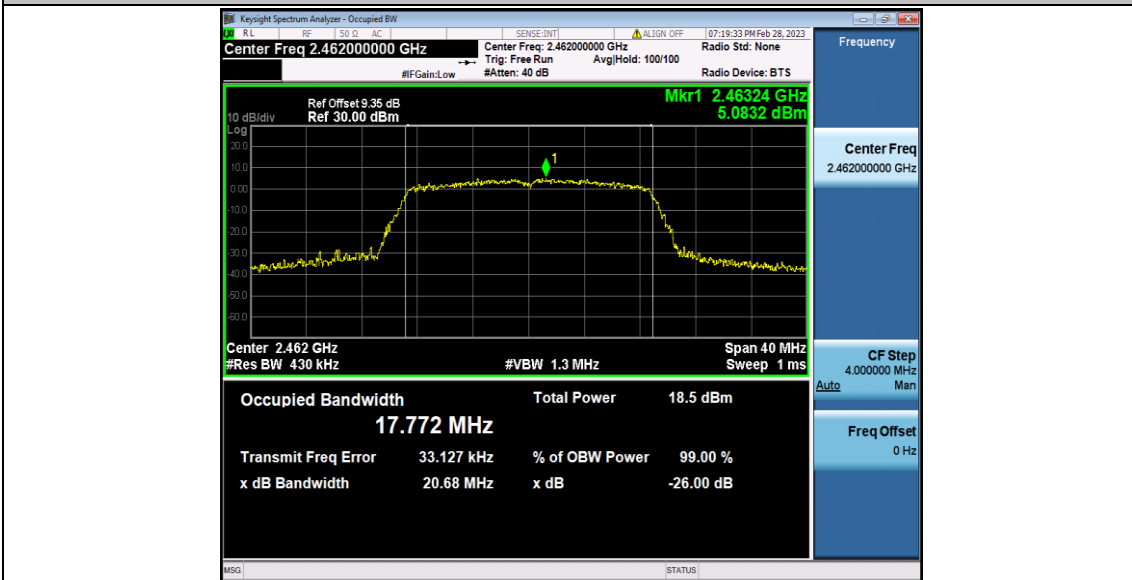
11N20SISO\_Ant2\_2412



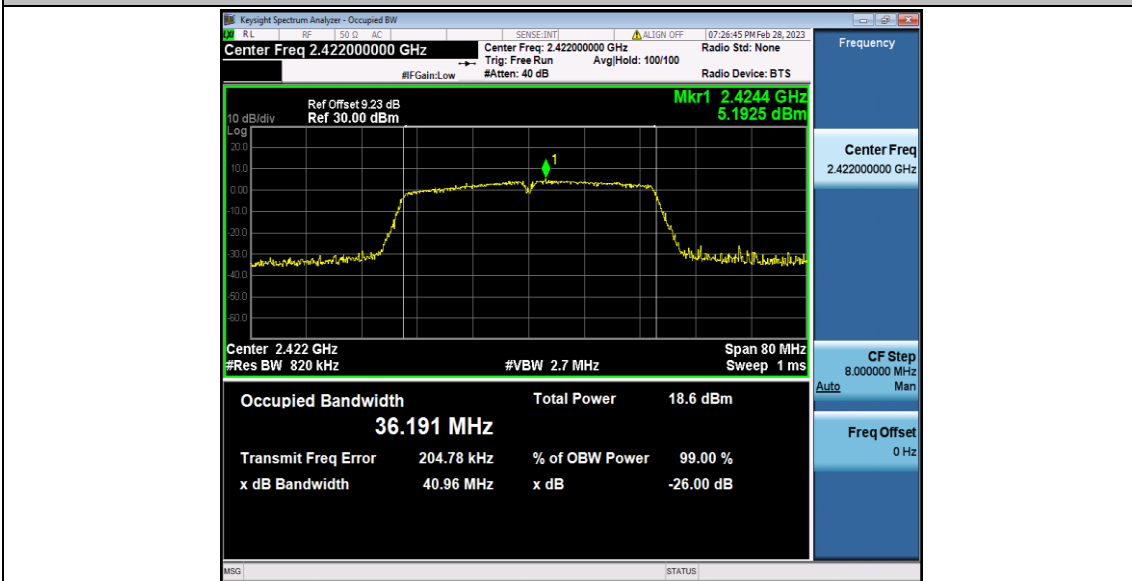
11N20SISO\_Ant2\_2437



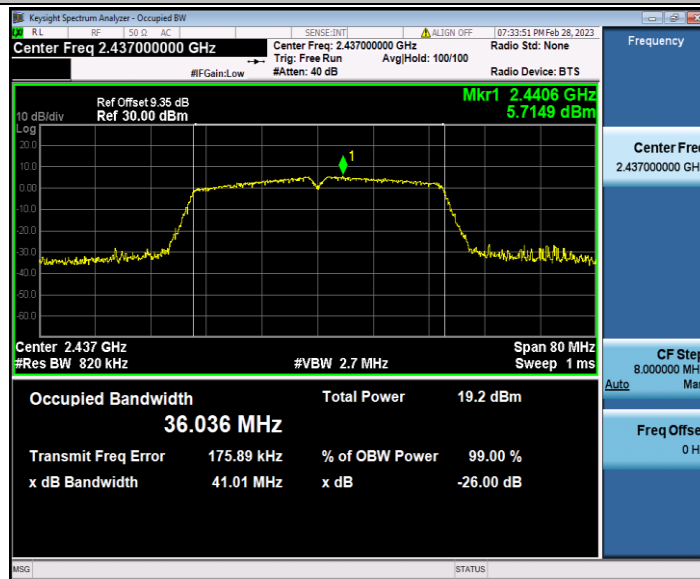
11N20SISO\_Ant2\_2462



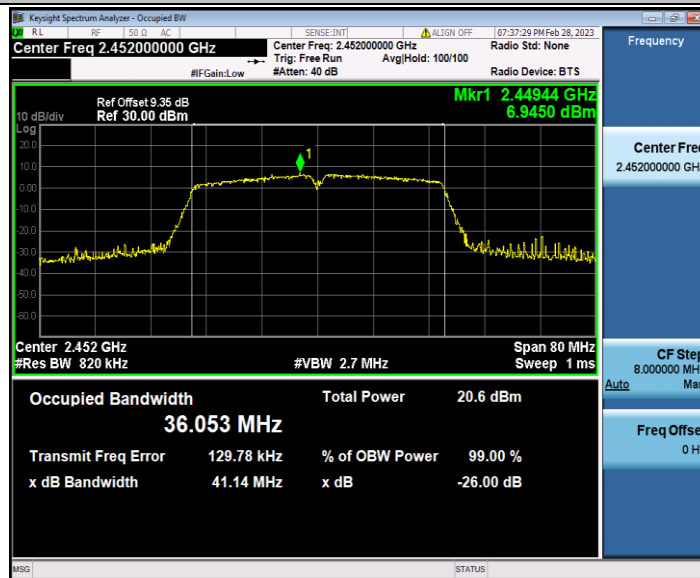
11N40SISO\_Ant2\_2422



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	14.20	≤30.00	PASS
		2437	15.23	≤30.00	PASS
		2462	15.53	≤30.00	PASS
11G	Ant2	2412	18.55	≤30.00	PASS
		2437	19.34	≤30.00	PASS
		2462	19.67	≤30.00	PASS
11N20SISO	Ant2	2412	18.41	≤30.00	PASS
		2437	19.25	≤30.00	PASS
		2462	19.59	≤30.00	PASS
11N40SISO	Ant2	2422	18.96	≤30.00	PASS
		2437	19.62	≤30.00	PASS
		2452	20.98	≤30.00	PASS

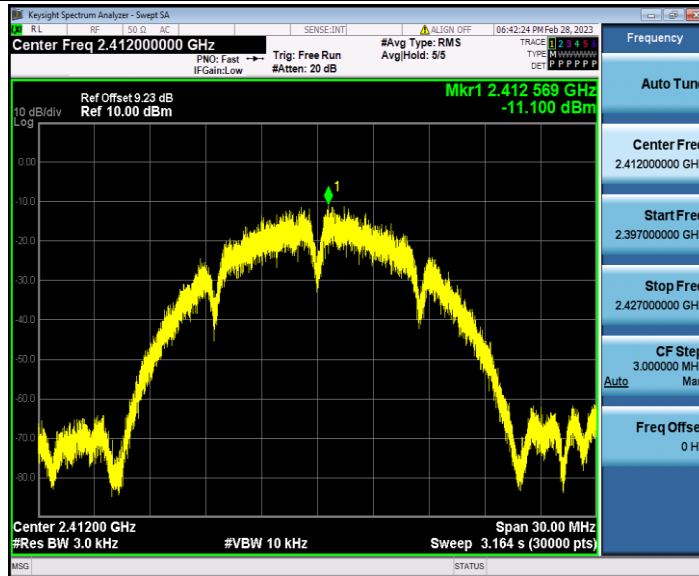
## Appendix C.4: Maximum power spectral density

### Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant2	2412	-11.1	≤8.00	PASS
		2437	-10.19	≤8.00	PASS
		2462	-9.92	≤8.00	PASS
11G	Ant2	2412	-13.82	≤8.00	PASS
		2437	-12.23	≤8.00	PASS
		2462	-12.47	≤8.00	PASS
11N20SISO	Ant2	2412	-12.95	≤8.00	PASS
		2437	-12.43	≤8.00	PASS
		2462	-12.47	≤8.00	PASS
11N40SISO	Ant2	2422	-15.39	≤8.00	PASS
		2437	-15	≤8.00	PASS
		2452	-13.38	≤8.00	PASS

## Test Graphs

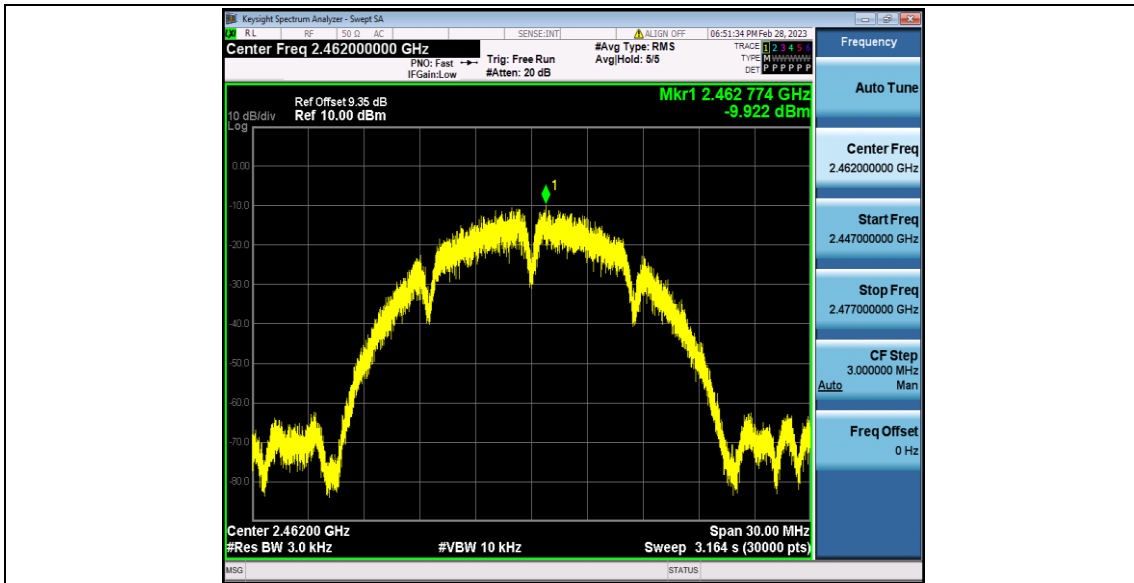
11B\_Ant2\_2412



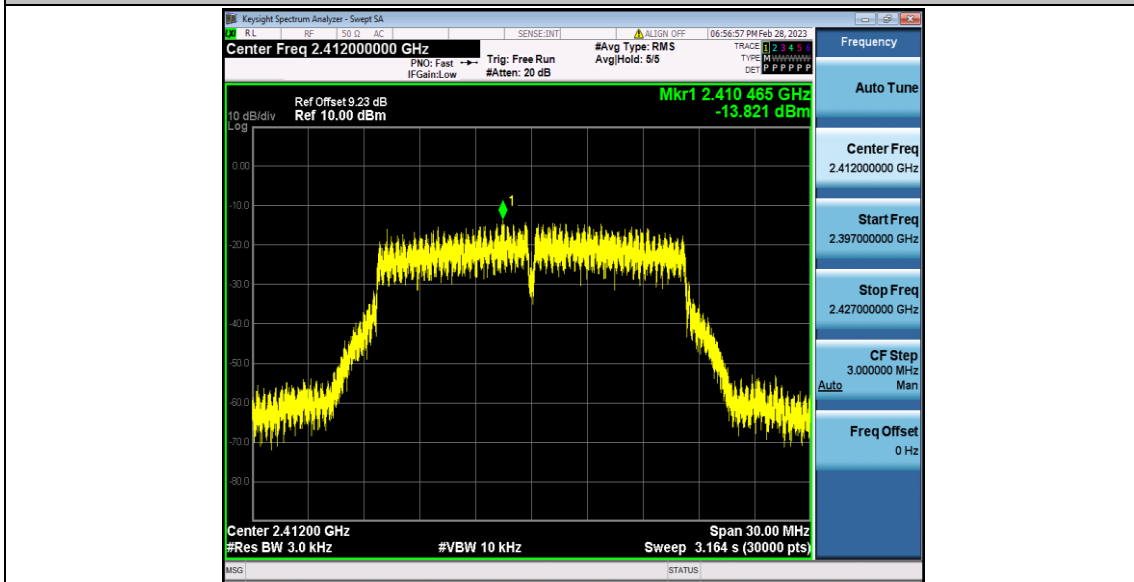
11B\_Ant2\_2437



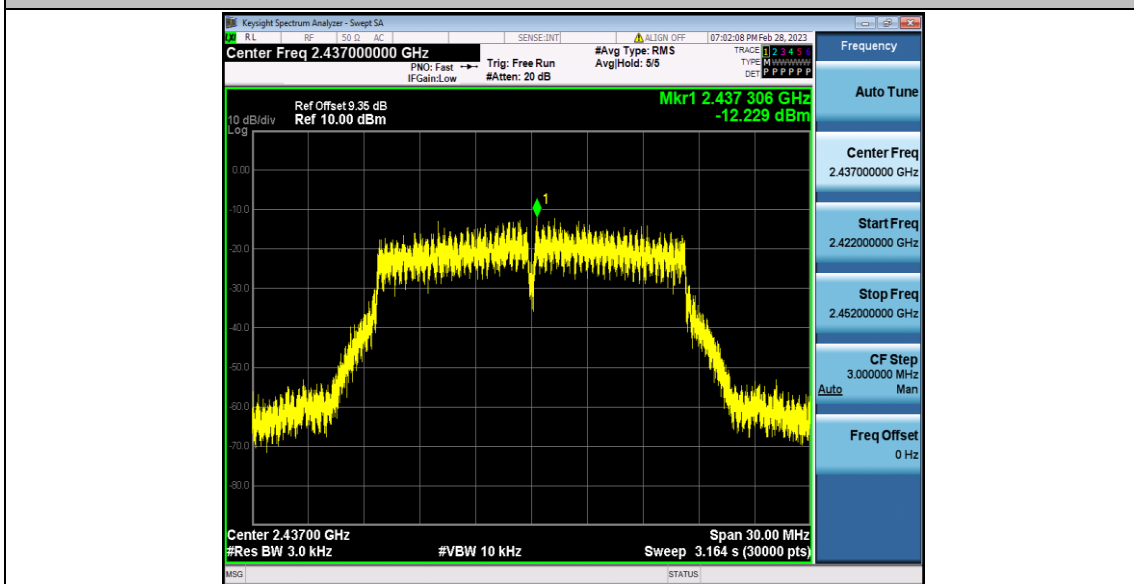
11B\_Ant2\_2462



11G\_Ant2\_2412

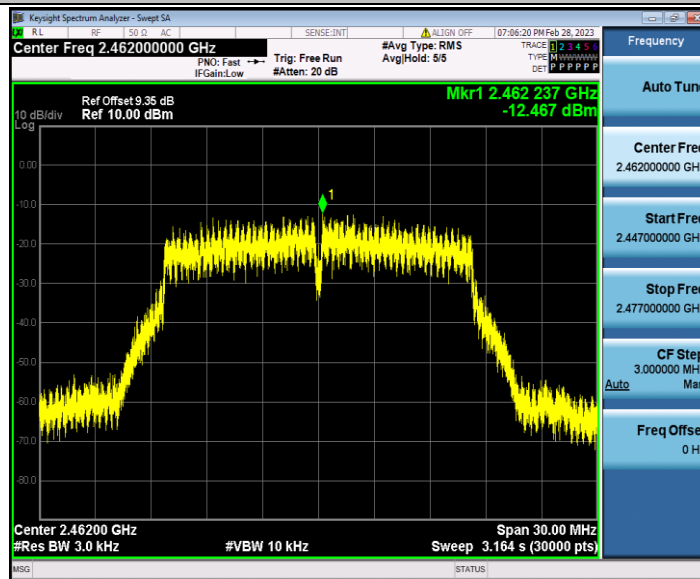


11G\_Ant2\_2437

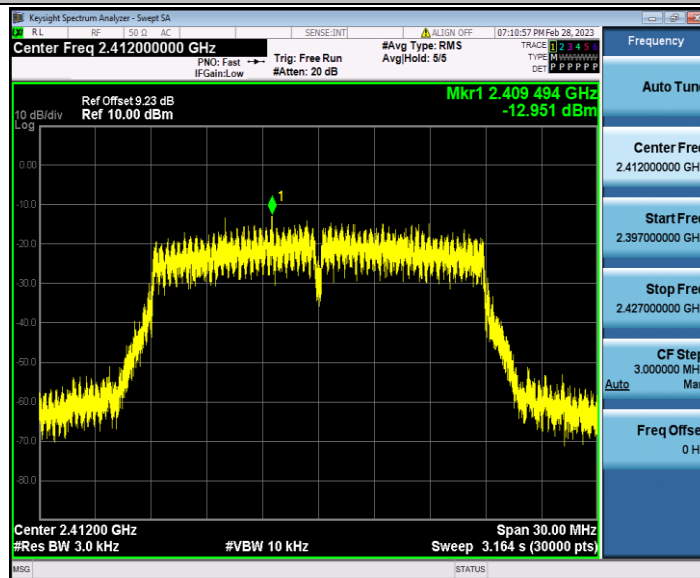




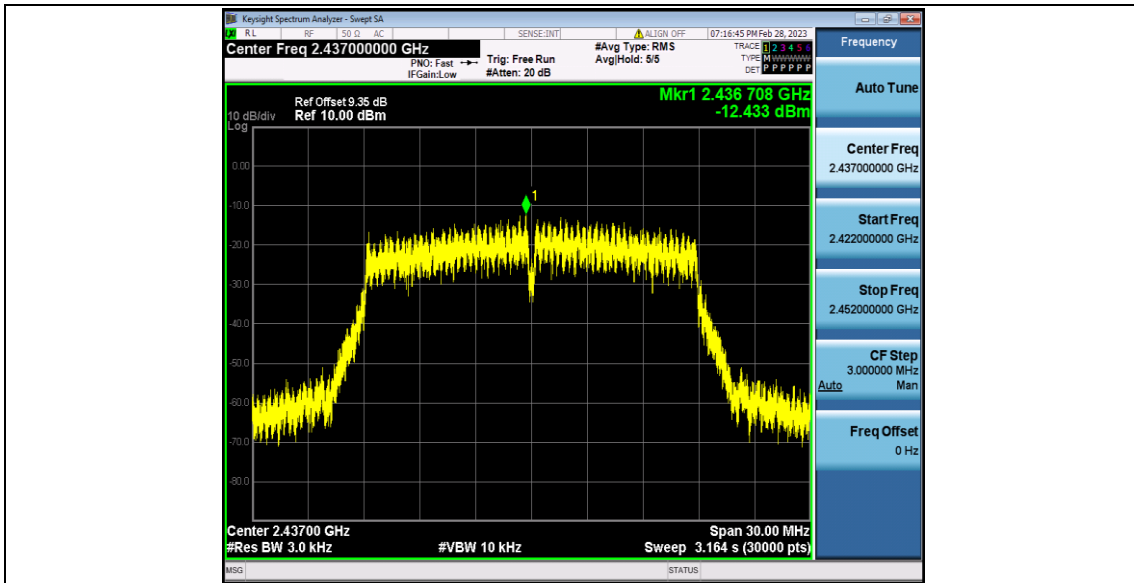
11G\_Ant2\_2462



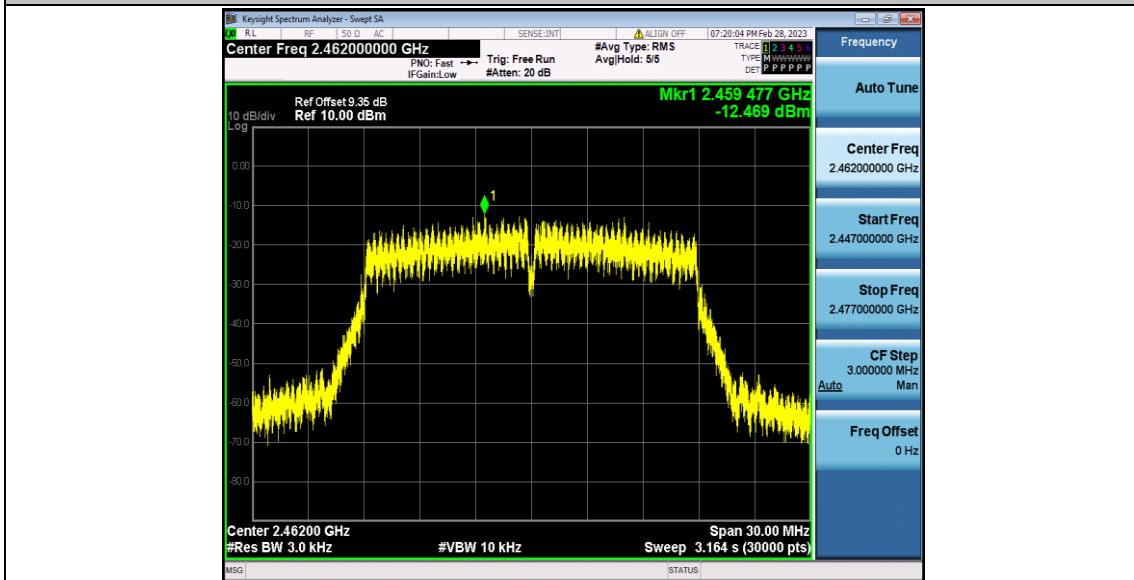
11N20SISO\_Ant2\_2412



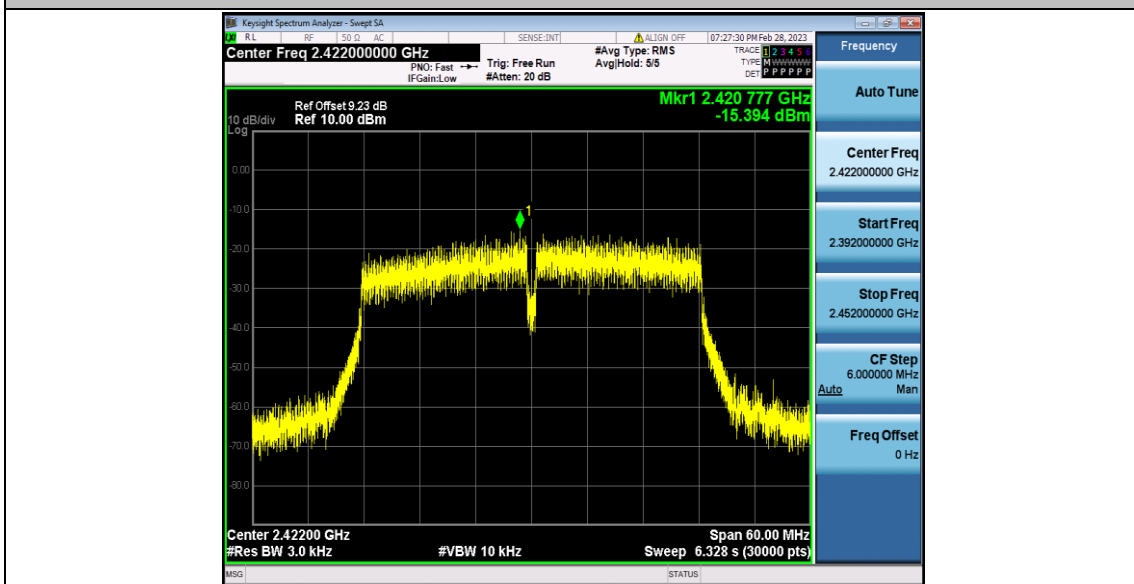
11N20SISO\_Ant2\_2437



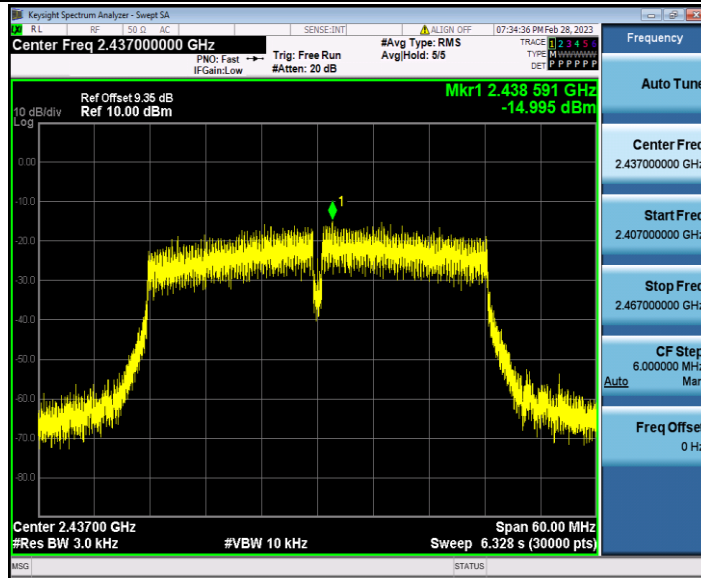
11N20SISO\_Ant2\_2462



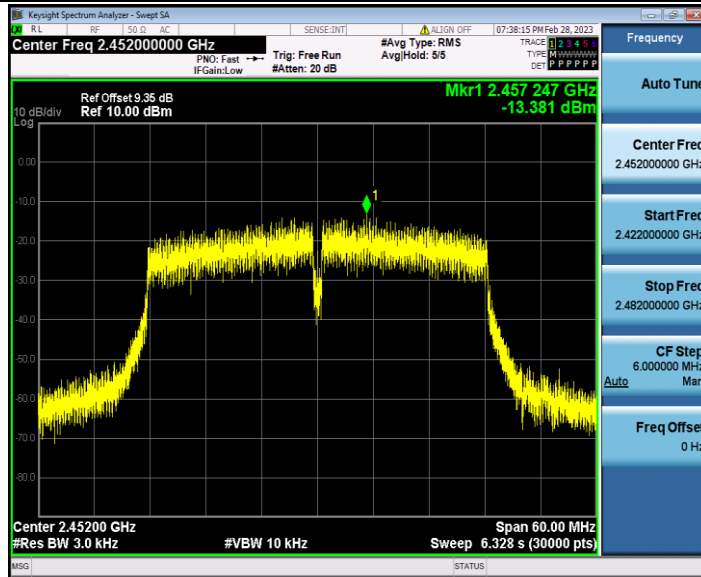
11N40SISO\_Ant2\_2422



11N40SISO\_Ant2\_2437



11N40SISO\_Ant2\_2452



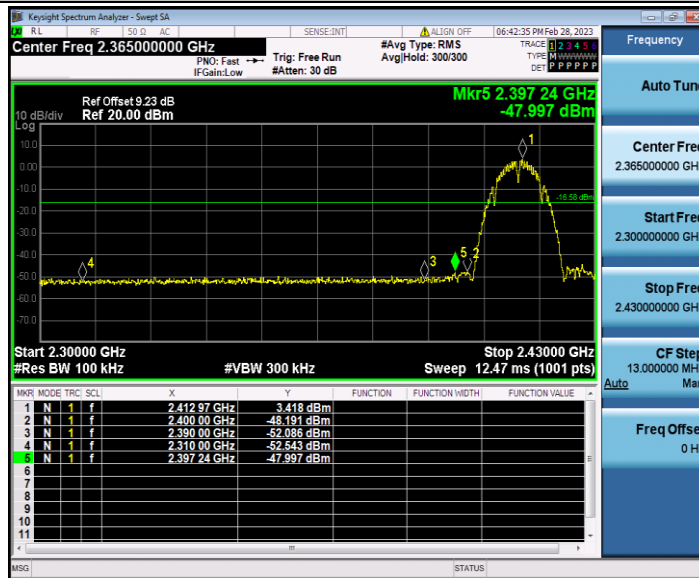
## Appendix C.5: Band edge measurements

### Test Result

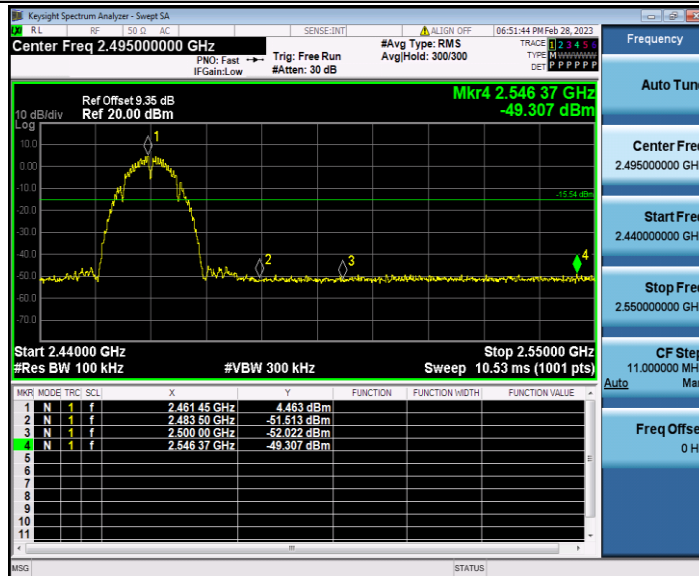
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant2	Low	2412	3.42	-48	≤-16.58	PASS
		High	2462	4.46	-49.31	≤-15.54	PASS
11G	Ant2	Low	2412	0.80	-37.14	≤-19.2	PASS
		High	2462	2.12	-47.79	≤-17.89	PASS
11N20SISO	Ant2	Low	2412	0.62	-37.4	≤-19.38	PASS
		High	2462	2.83	-47.64	≤-17.17	PASS
11N40SISO	Ant2	Low	2422	-1.28	-40.01	≤-21.28	PASS
		High	2452	0.68	-38.03	≤-19.32	PASS

## Test Graphs

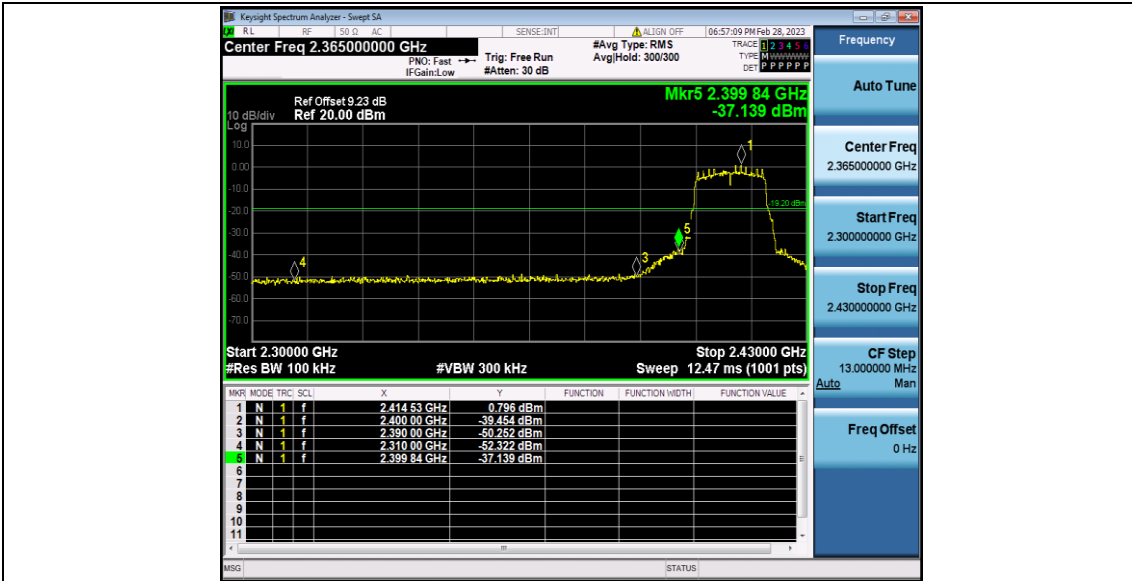
11B\_Ant2\_Low\_2412



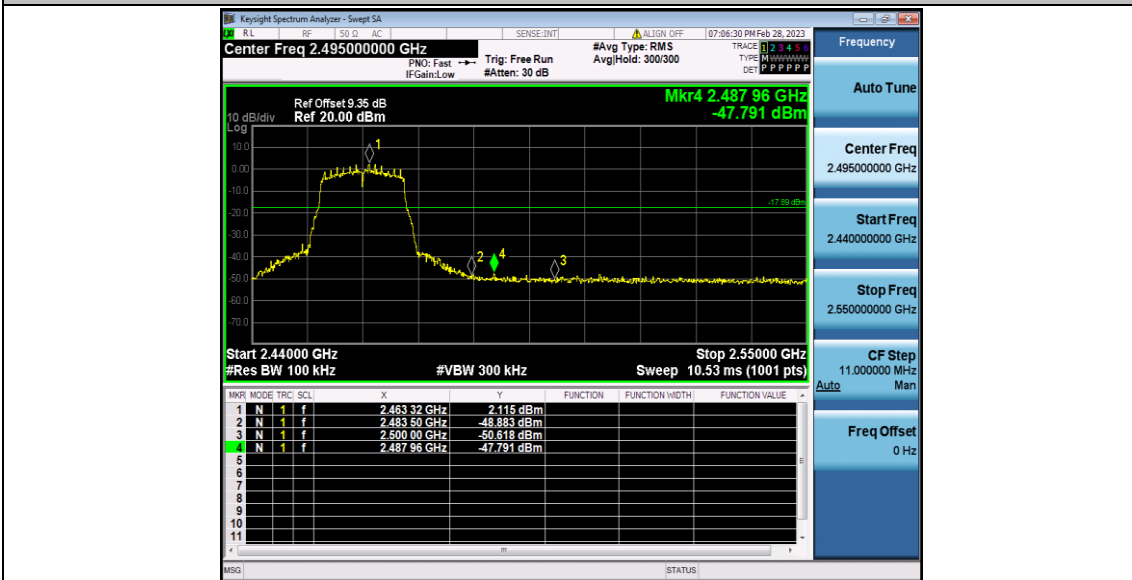
11B\_Ant2\_High\_2462



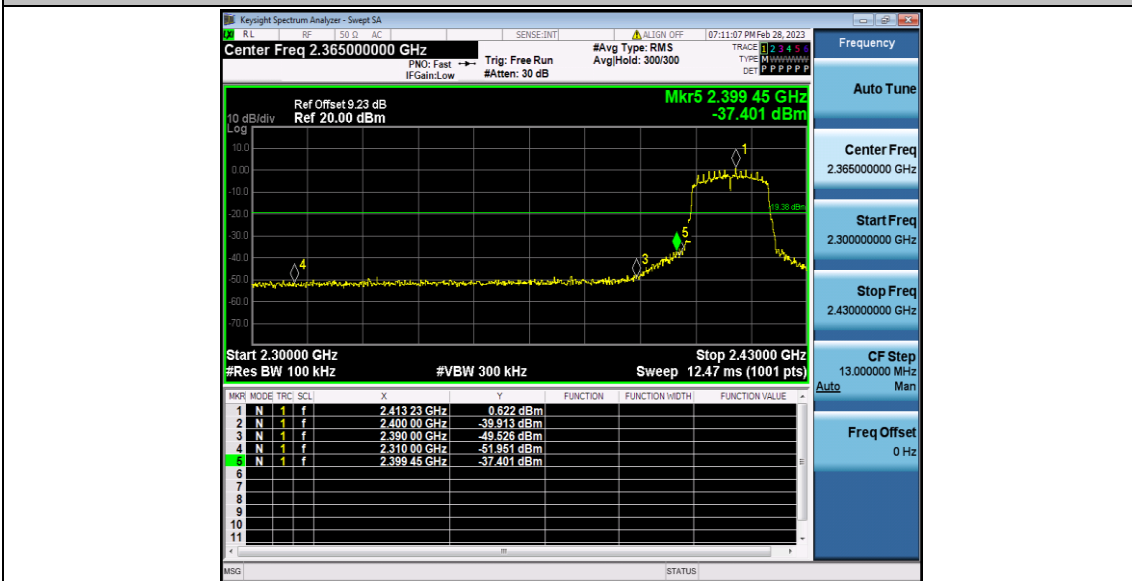
11G\_Ant2\_Low\_2412



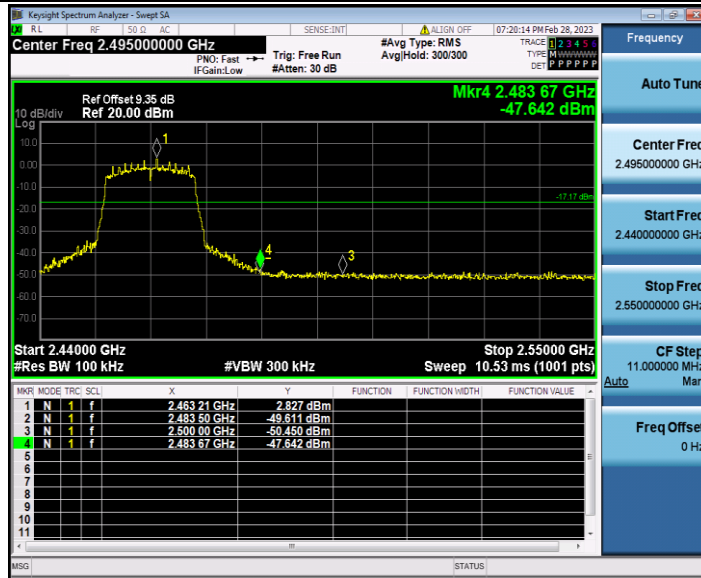
11G\_Ant2\_High\_2462



11N20SISO\_Ant2\_Low\_2412



11N20SISO\_Ant2\_High\_2462



11N40SISO\_Ant2\_Low\_2422



11N40SISO\_Ant2\_High\_2452



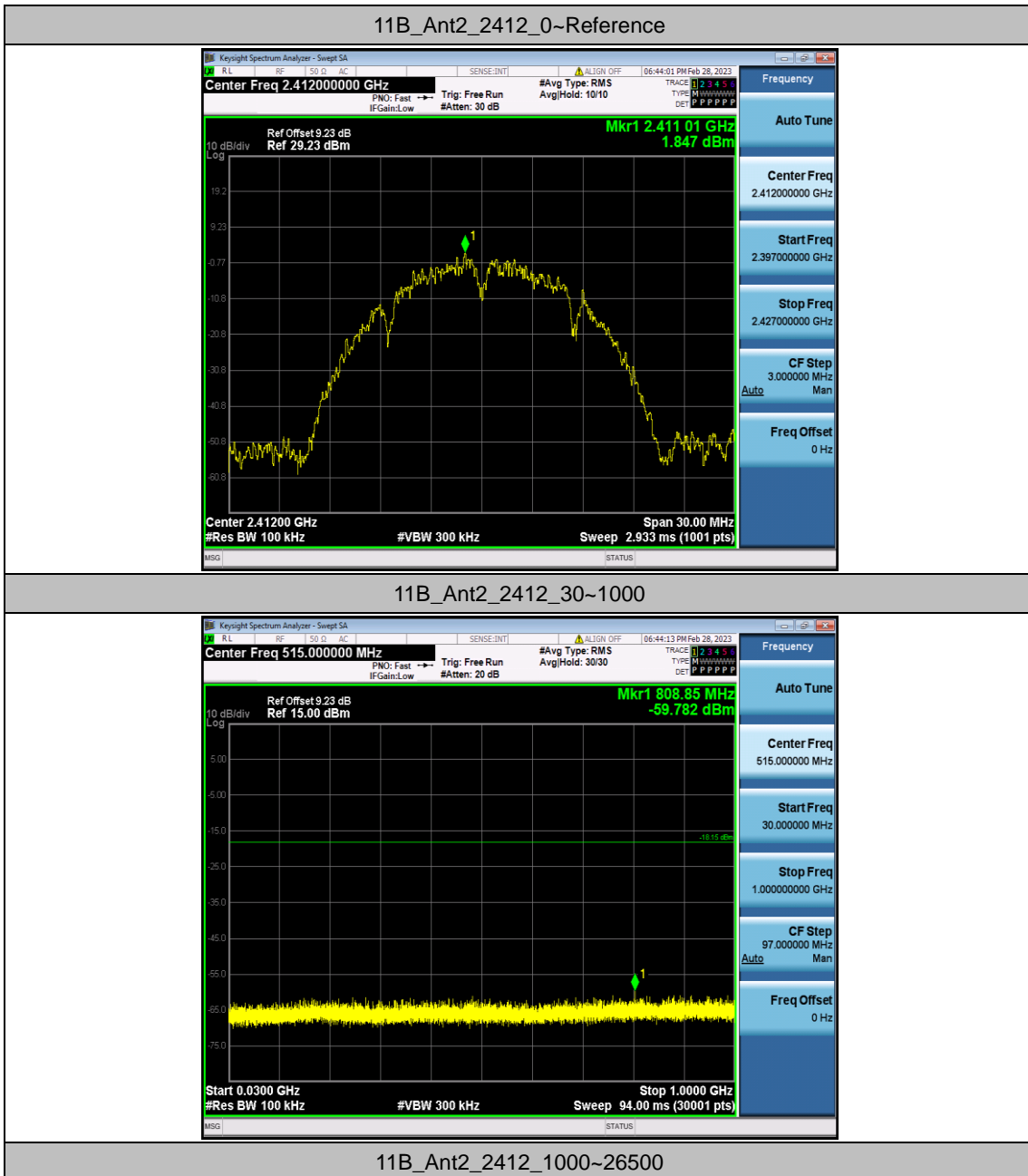


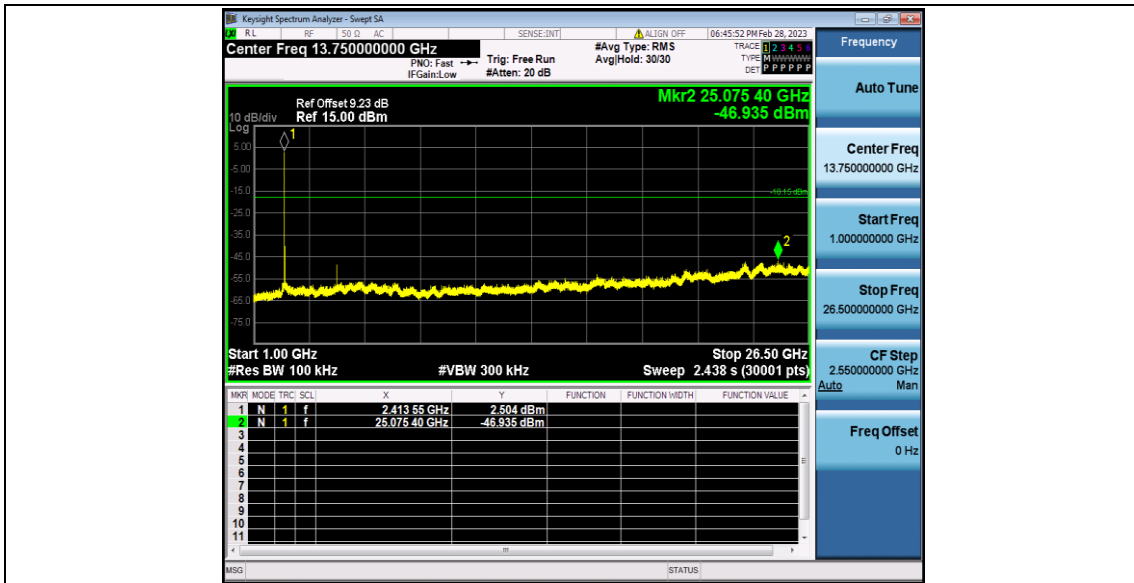
## Appendix C.6: Conducted Spurious Emission

### Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant2	2412	Reference	1.85	1.85	---	PASS
			30~1000	1.85	-59.78	≤-18.15	PASS
			1000~26500	1.85	-46.94	≤-18.15	PASS
		2437	Reference	3.11	3.11	---	PASS
			30~1000	3.11	-51.82	≤-16.89	PASS
			1000~26500	3.11	-47.64	≤-16.89	PASS
		2462	Reference	3.00	3.00	---	PASS
			30~1000	3.00	-59.68	≤-17	PASS
			1000~26500	3.00	-47.43	≤-17	PASS
11G	Ant2	2412	Reference	0.55	0.55	---	PASS
			30~1000	0.55	-60.24	≤-19.45	PASS
			1000~26500	0.55	-47.43	≤-19.45	PASS
		2437	Reference	1.48	1.48	---	PASS
			30~1000	1.48	-60.54	≤-18.52	PASS
			1000~26500	1.48	-47.22	≤-18.52	PASS
		2462	Reference	0.42	0.42	---	PASS
			30~1000	0.42	-59.94	≤-19.58	PASS
			1000~26500	0.42	-48.05	≤-19.58	PASS
11N20SISO	Ant2	2412	Reference	-3.02	-3.02	---	PASS
			30~1000	-3.02	-59.72	≤-23.02	PASS
			1000~26500	-3.02	-46.83	≤-23.02	PASS
		2437	Reference	2.28	2.28	---	PASS
			30~1000	2.28	-60.52	≤-17.72	PASS
			1000~26500	2.28	-47.71	≤-17.72	PASS
		2462	Reference	-1.25	-1.25	---	PASS
			30~1000	-1.25	-59.85	≤-21.25	PASS
			1000~26500	-1.25	-47.92	≤-21.25	PASS
11N40SISO	Ant2	2422	Reference	-3.90	-3.90	---	PASS
			30~1000	-3.90	-52.16	≤-23.9	PASS
			1000~26500	-3.90	-47.41	≤-23.9	PASS
		2437	Reference	-0.50	-0.50	---	PASS
			30~1000	-0.50	-60.56	≤-20.5	PASS
			1000~26500	-0.50	-47.95	≤-20.5	PASS
		2452	Reference	-0.33	-0.33	---	PASS
			30~1000	-0.33	-60.08	≤-20.33	PASS
			1000~26500	-0.33	-47.07	≤-20.33	PASS

## Test Graphs

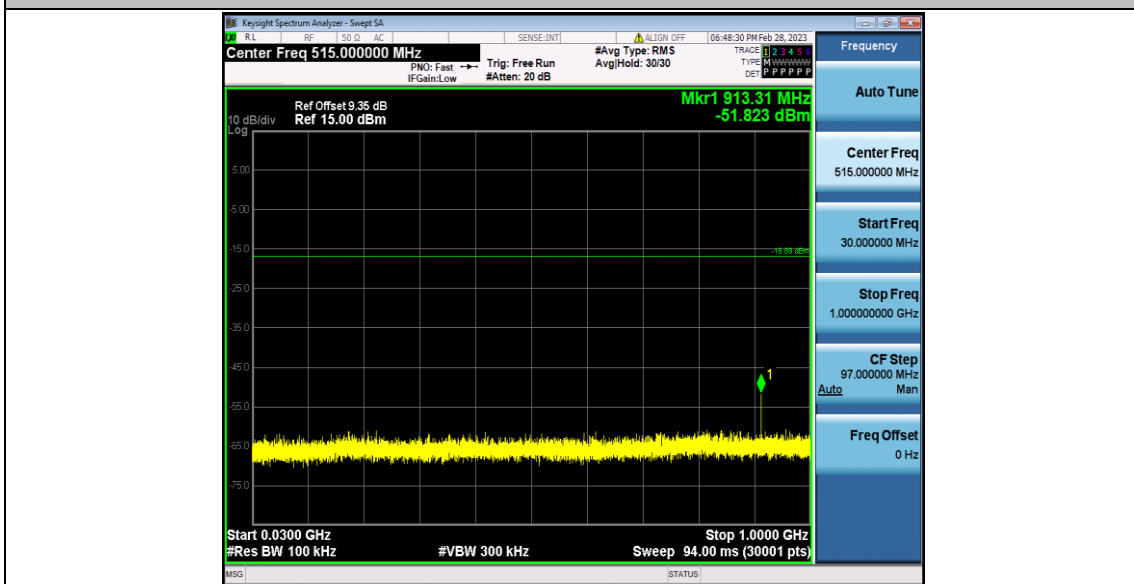




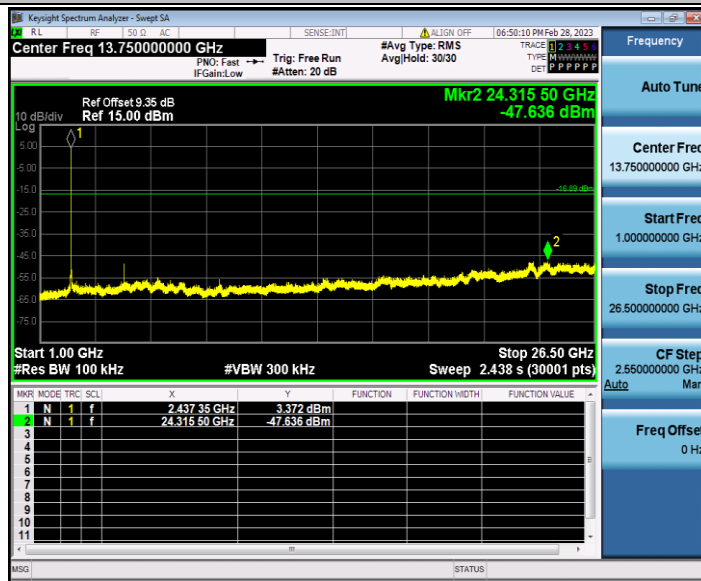
11B\_Ant2\_2437\_0-Reference



11B\_Ant2\_2437\_30-1000



11B\_Ant2\_2437\_1000~26500



11B\_Ant2\_2462\_0~Reference



11B\_Ant2\_2462\_30~1000