

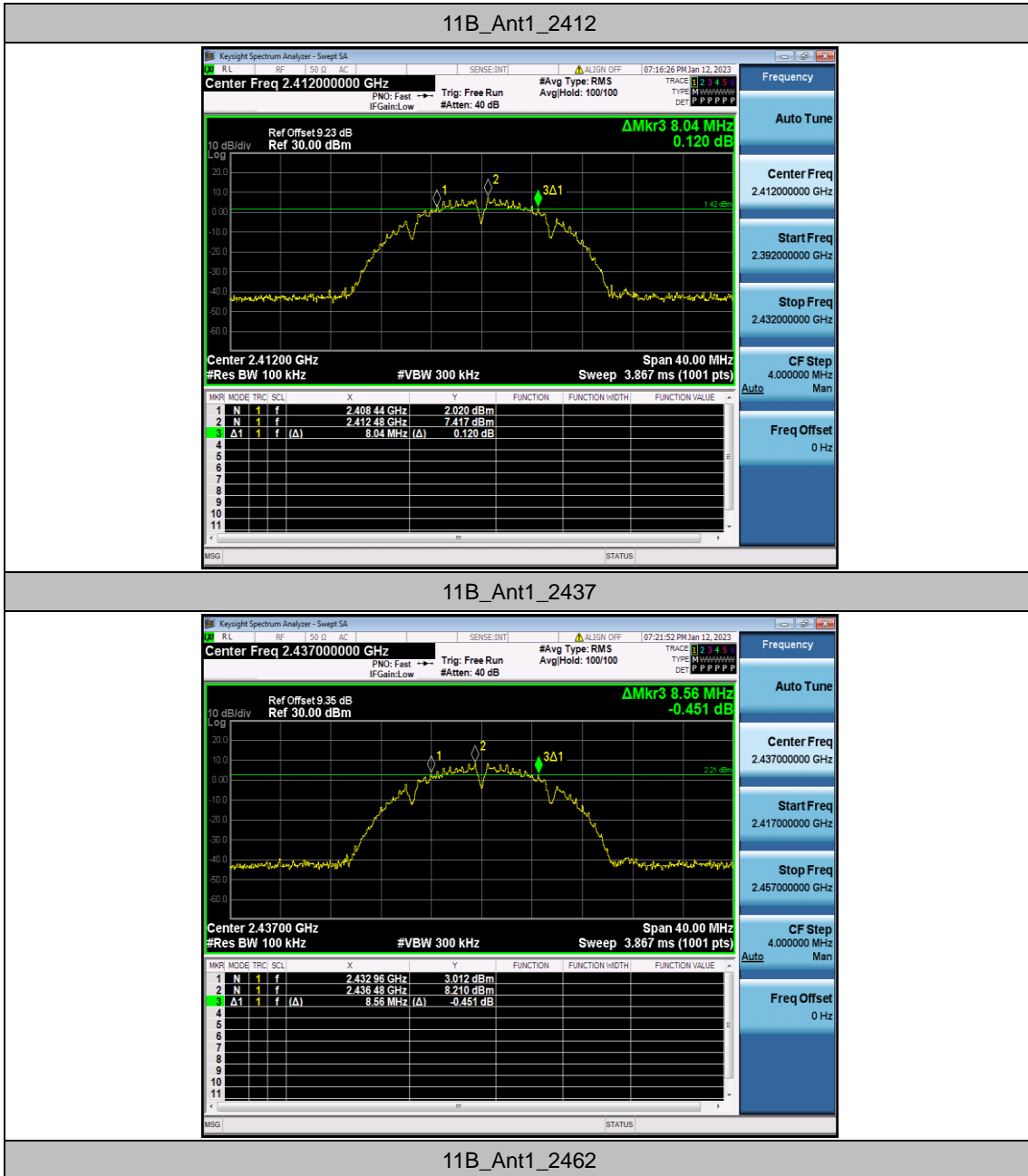
<b>Case No. :</b> <u>GTS20220802009-1-5</u>
<b>Ambient Condition:</b> <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,
<b>Test Date:</b> <u>2023.1.12</u> <b>Test Engineer:</b> <u>Jenny zeng</u>

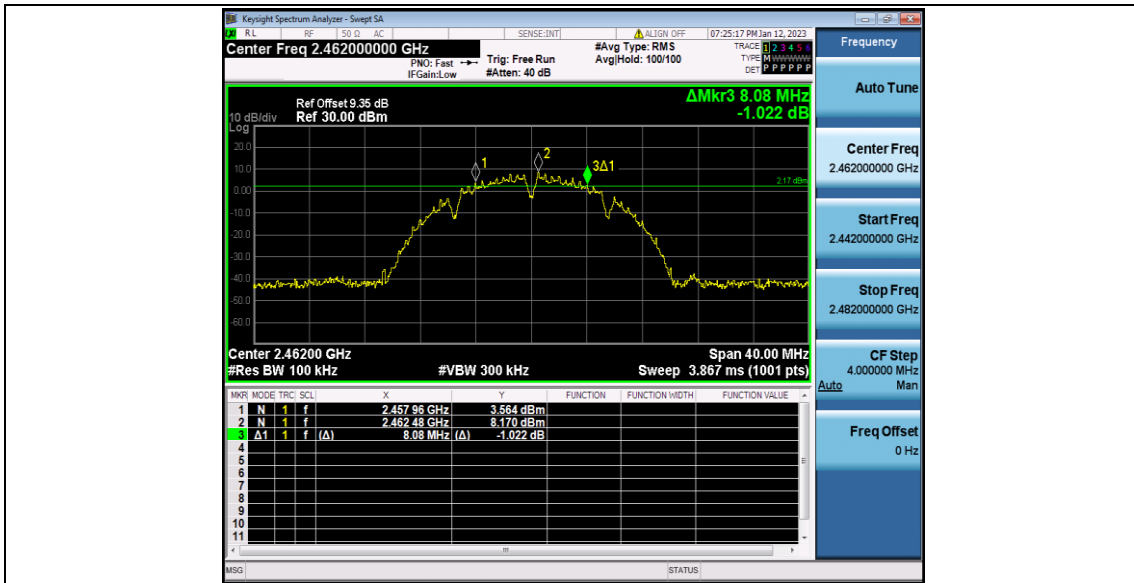
## Appendix A.1: DTS Bandwidth

### Test Result

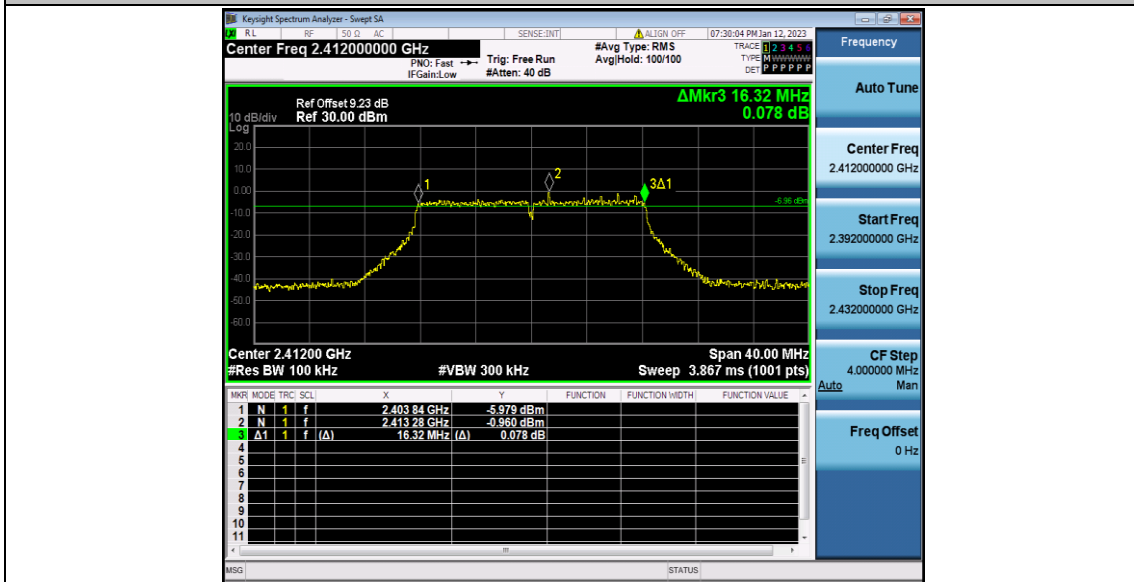
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.040	2408.440	2416.480	0.5	PASS
		2437	8.560	2432.960	2441.520	0.5	PASS
		2462	8.080	2457.960	2466.040	0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	0.5	PASS
		2437	16.320	2428.840	2445.160	0.5	PASS
		2462	16.360	2453.800	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.600	2403.200	2420.800	0.5	PASS
		2437	17.280	2428.480	2445.760	0.5	PASS
		2462	17.520	2453.200	2470.720	0.5	PASS
11N40SISO	Ant1	2422	35.680	2404.400	2440.080	0.5	PASS
		2437	35.360	2419.400	2454.760	0.5	PASS
		2452	36.080	2433.840	2469.920	0.5	PASS

## Test Graphs

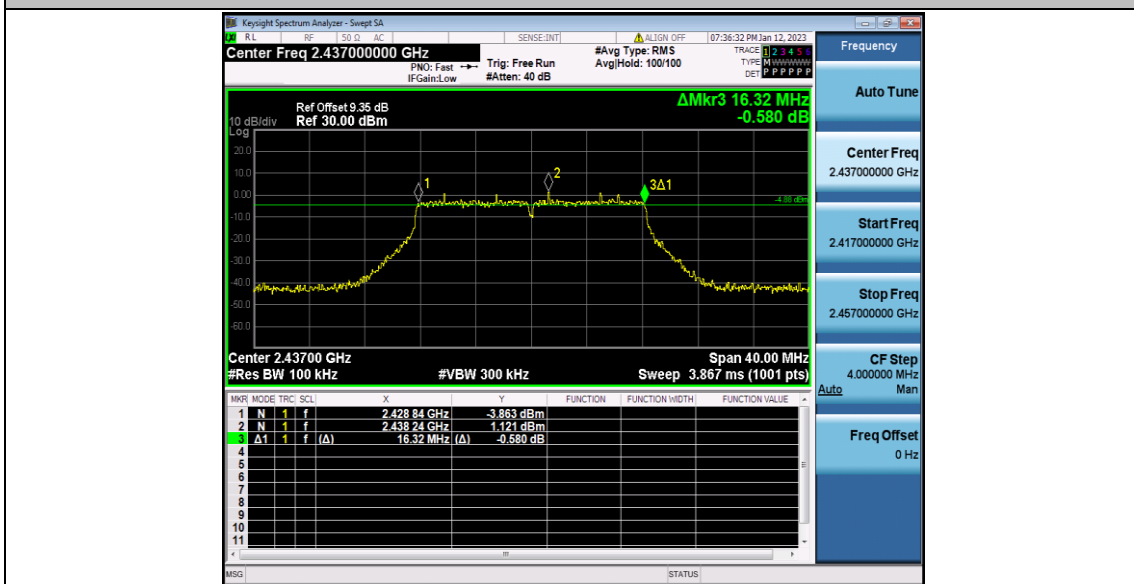




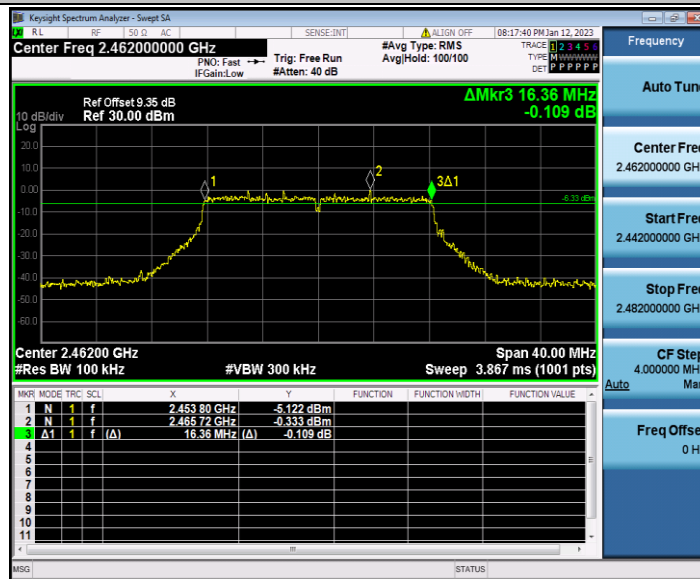
11G\_Ant1\_2412



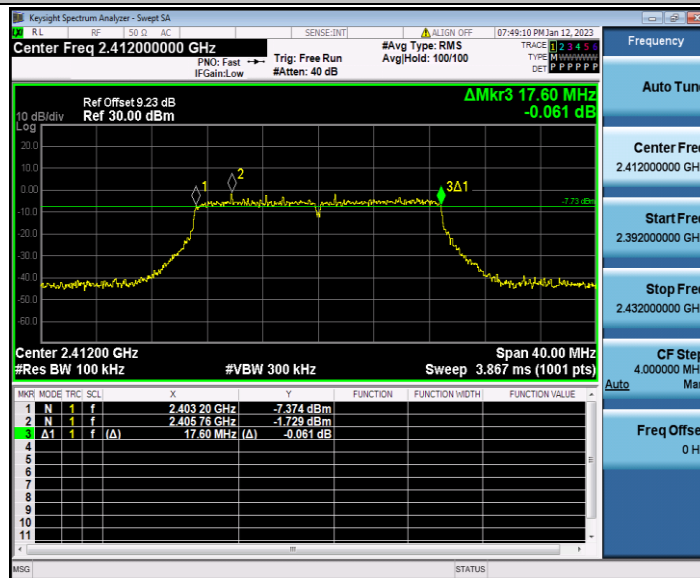
11G\_Ant1\_2437



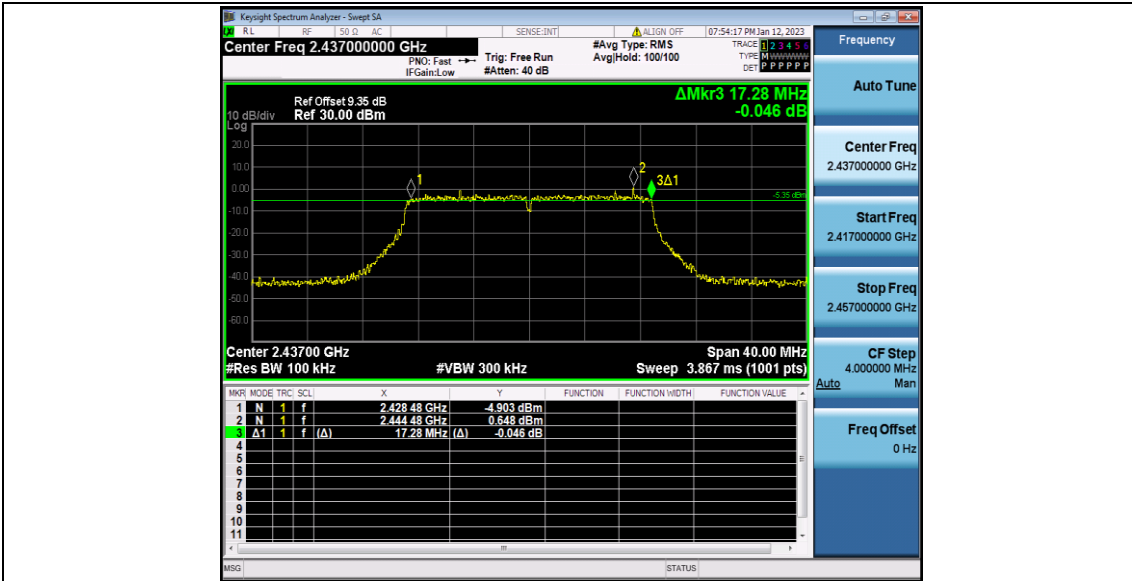
11G\_Ant1\_2462



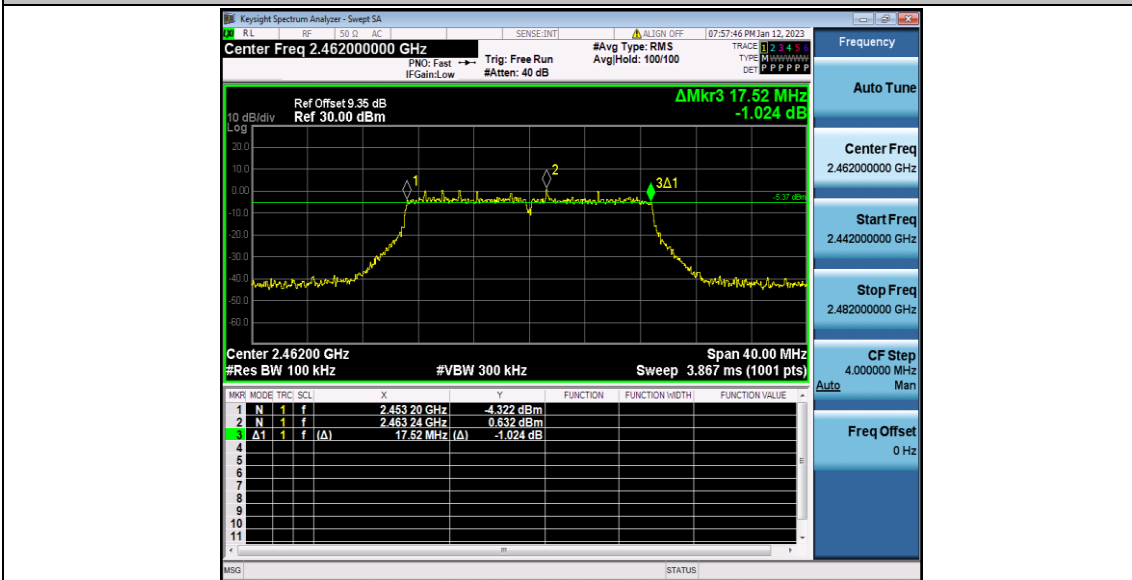
11N20SISO\_Ant1\_2412



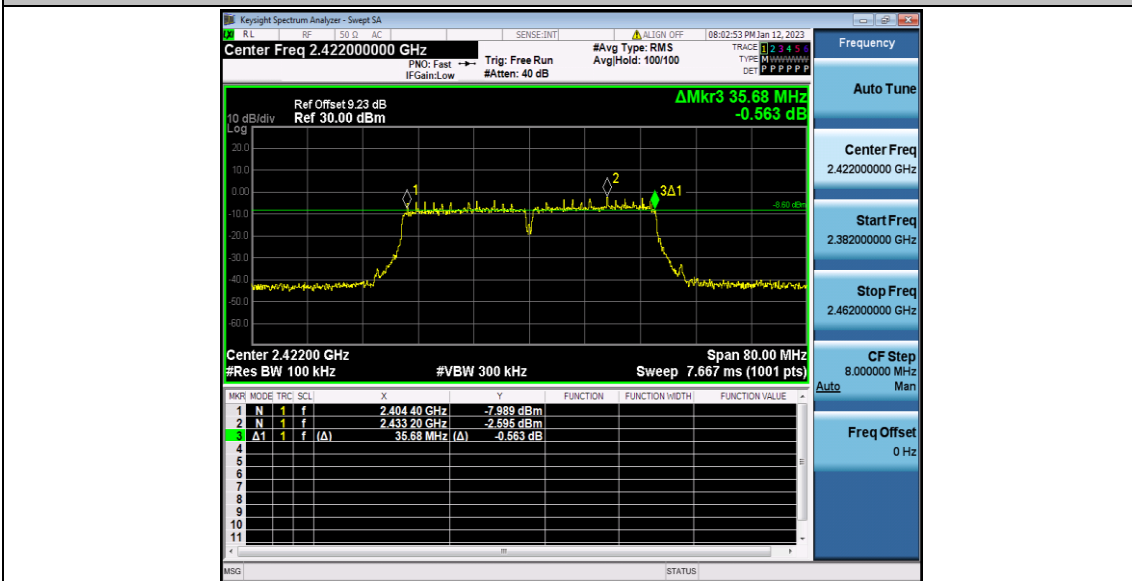
11N20SISO\_Ant1\_2437



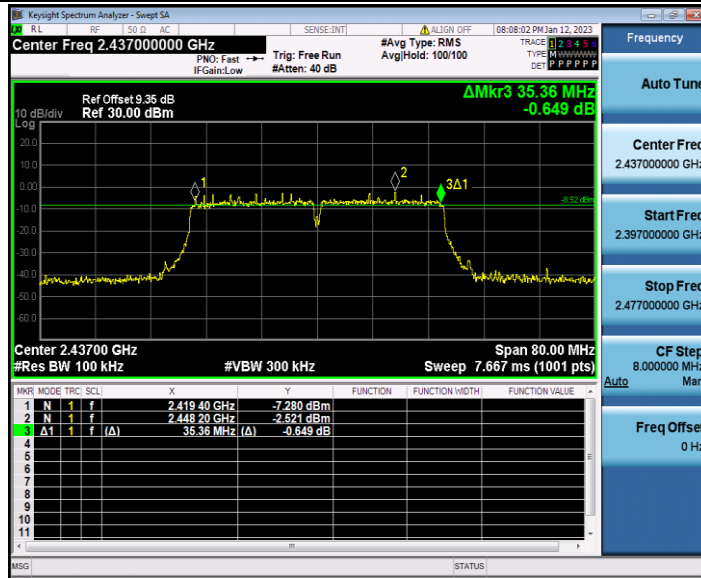
11N20SISO\_Ant1\_2462



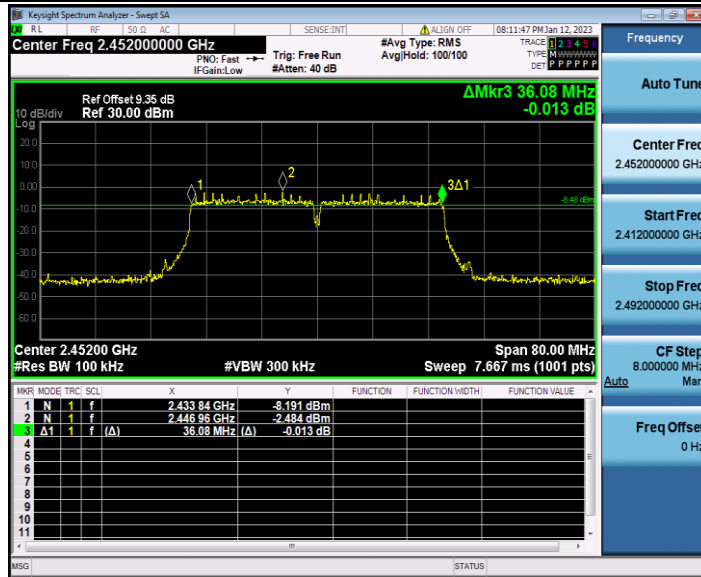
11N40SISO\_Ant1\_2422



11N40SISO\_Ant1\_2437



11N40SISO\_Ant1\_2452

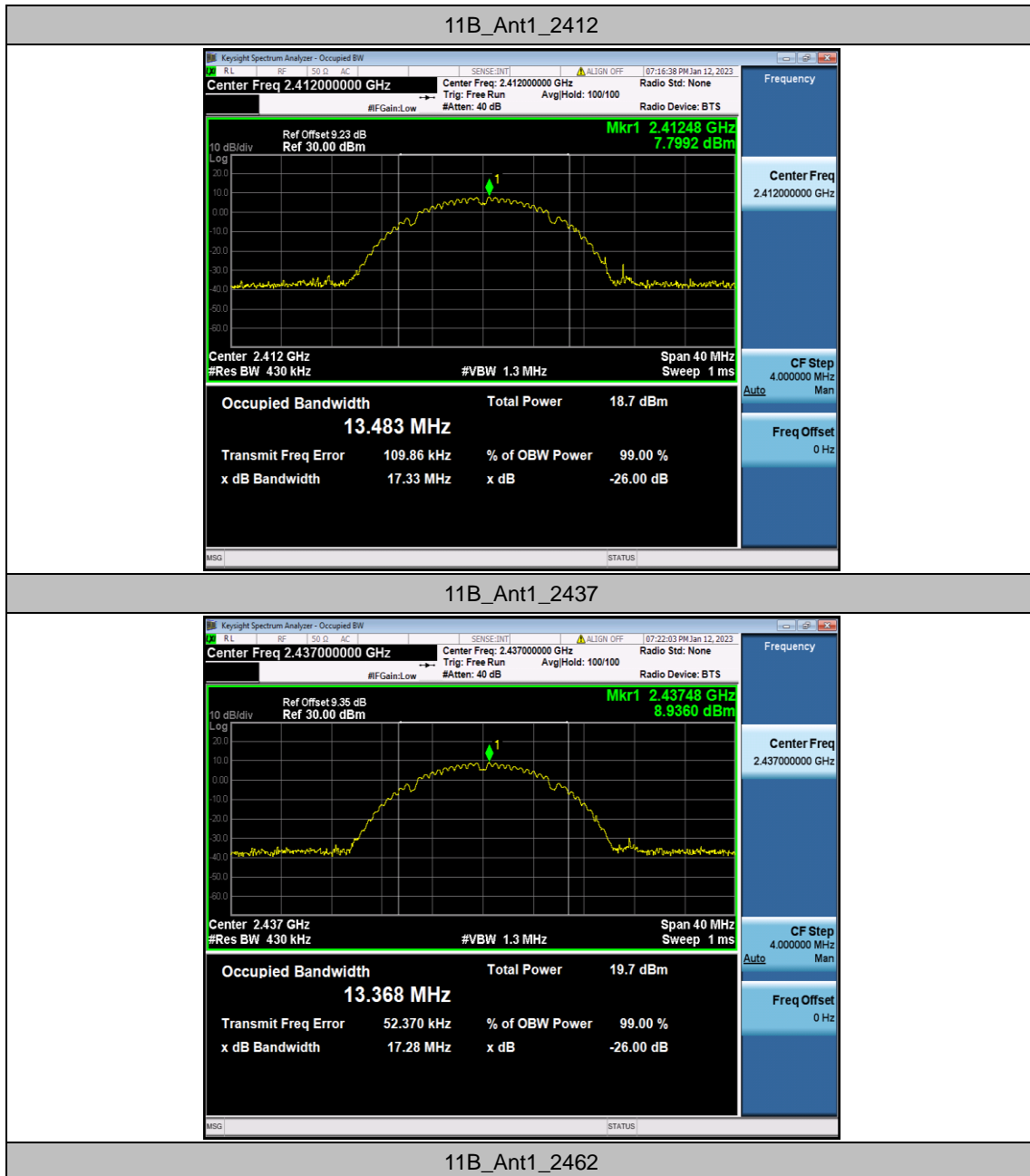


## Appendix A.2: Occupied Channel Bandwidth

### Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.483	2405.368	2418.851	---	---
		2437	13.368	2430.368	2443.736	---	---
		2462	13.387	2455.276	2468.663	---	---
11G	Ant1	2412	17.251	2403.408	2420.659	---	---
		2437	17.059	2428.505	2445.564	---	---
		2462	17.020	2453.422	2470.442	---	---
11N20SISO	Ant1	2412	18.014	2403.041	2421.055	---	---
		2437	17.894	2428.055	2445.949	---	---
		2462	18.017	2452.971	2470.988	---	---
11N40SISO	Ant1	2422	36.554	2403.849	2440.403	---	---
		2437	36.380	2418.899	2455.279	---	---
		2452	36.397	2433.819	2470.216	---	---

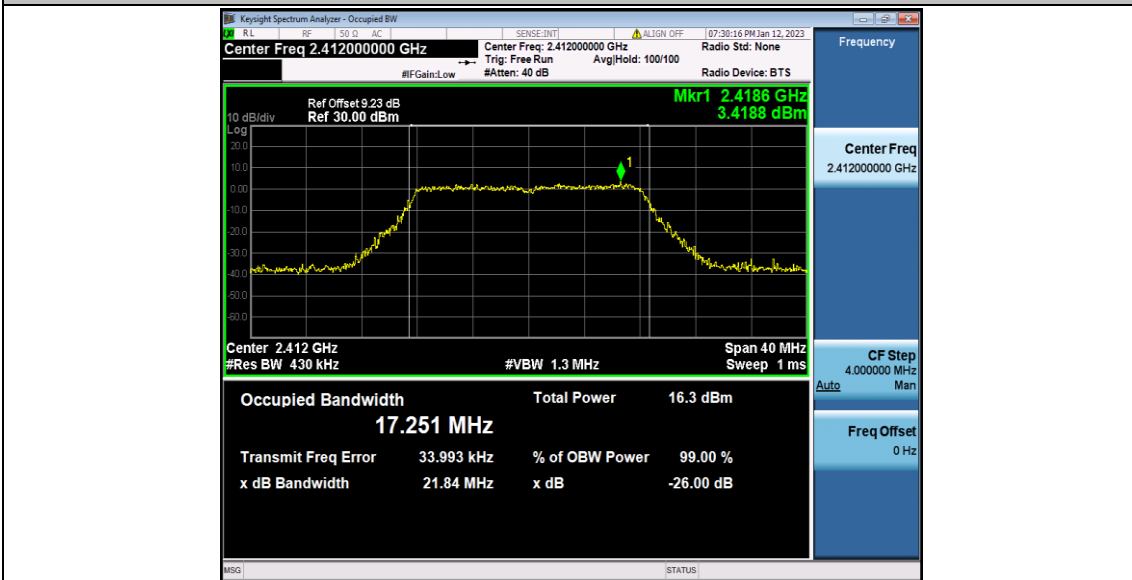
## Test Graphs







11G\_Ant1\_2412



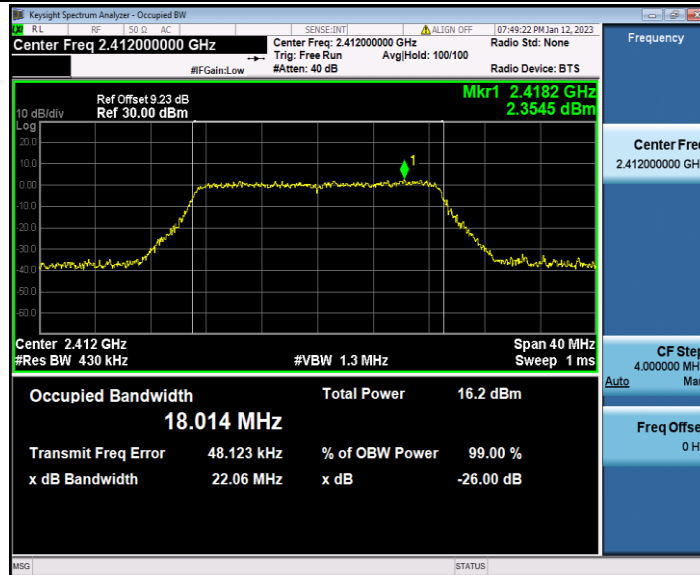
11G\_Ant1\_2437



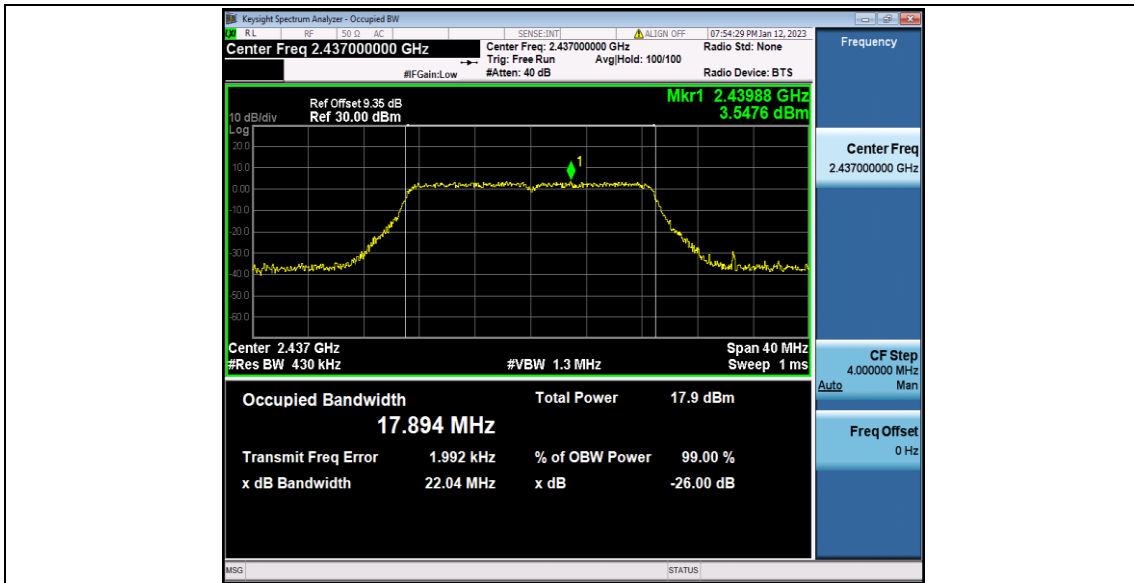
11G\_Ant1\_2462



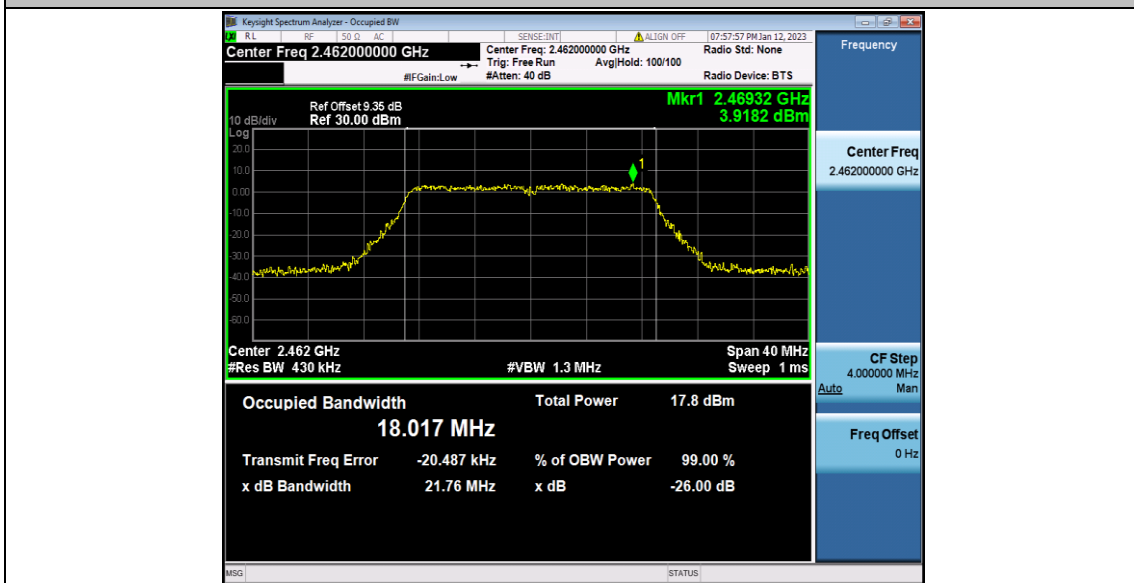
11N20SISO\_Ant1\_2412



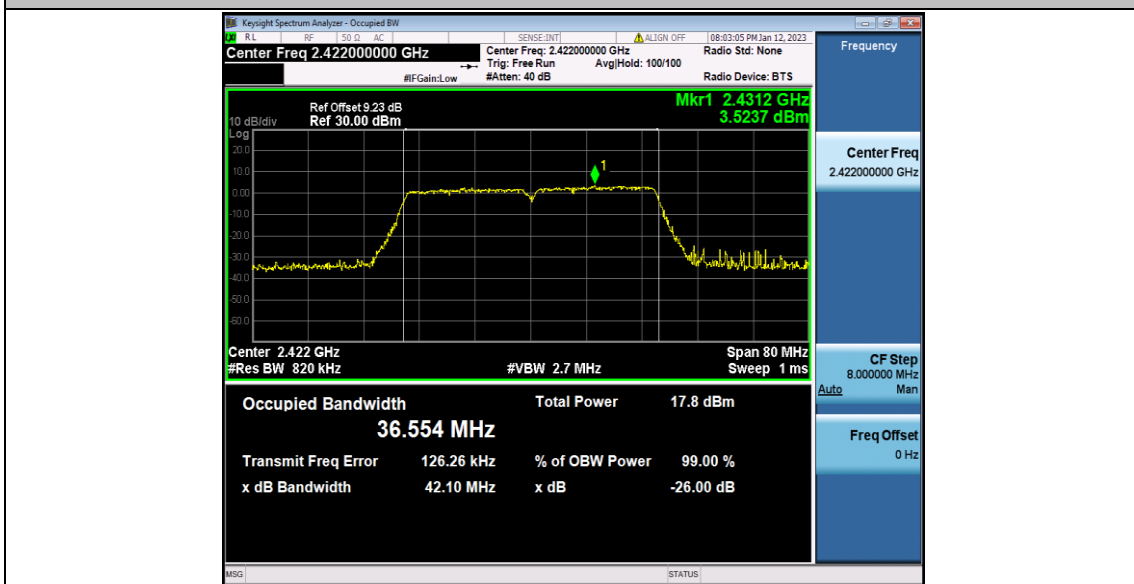
11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462



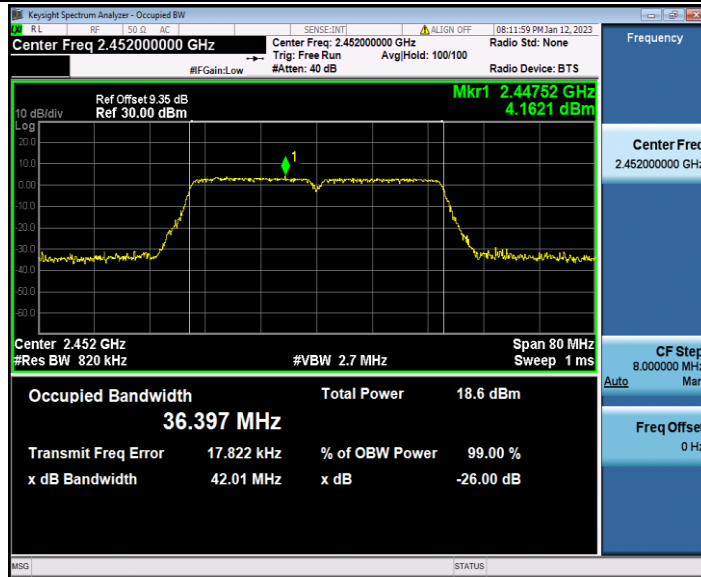
11N40SISO\_Ant1\_2422



11N40SISO\_Ant1\_2437



11N40SISO\_Ant1\_2452



## Appendix A.3: Maximum conducted output power

### Test Result Peak

TestMode	Antenna	Frequency[M Hz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	18.76	≤30.00	PASS
		2437	19.87	≤30.00	PASS
		2462	19.75	≤30.00	PASS
11G	Ant1	2412	17.54	≤30.00	PASS
		2437	19.42	≤30.00	PASS
		2462	18.63	≤30.00	PASS
11N20SISO	Ant1	2412	17.45	≤30.00	PASS
		2437	19.06	≤30.00	PASS
		2462	18.87	≤30.00	PASS
11N40SISO	Ant1	2422	18.11	≤30.00	PASS
		2437	18.91	≤30.00	PASS
		2452	18.97	≤30.00	PASS

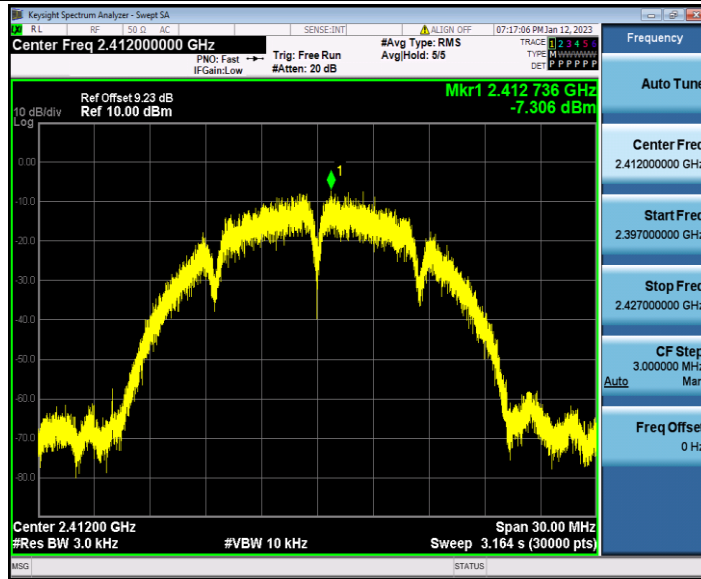
## Appendix A.4: Maximum power spectral density

### Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-7.31	≤8.00	PASS
		2437	-6	≤8.00	PASS
		2462	-6.2	≤8.00	PASS
11G	Ant1	2412	-15.35	≤8.00	PASS
		2437	-13.41	≤8.00	PASS
		2462	-14.32	≤8.00	PASS
11N20SISO	Ant1	2412	-15.83	≤8.00	PASS
		2437	-13.7	≤8.00	PASS
		2462	-13.88	≤8.00	PASS
11N40SISO	Ant1	2422	-17.97	≤8.00	PASS
		2437	-16.9	≤8.00	PASS
		2452	-16.05	≤8.00	PASS

## Test Graphs

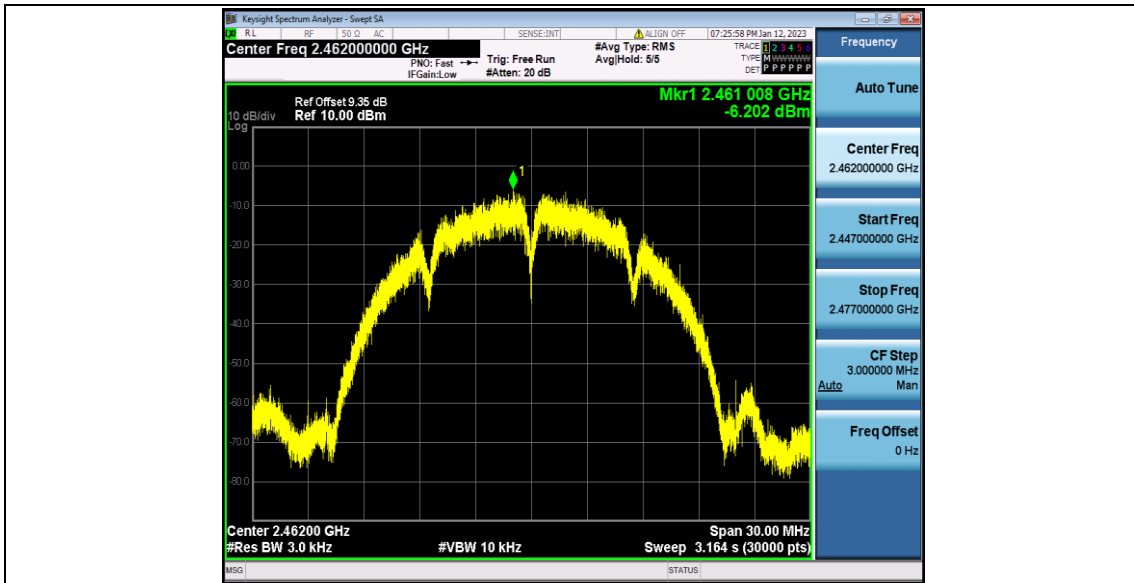
11B\_Ant1\_2412



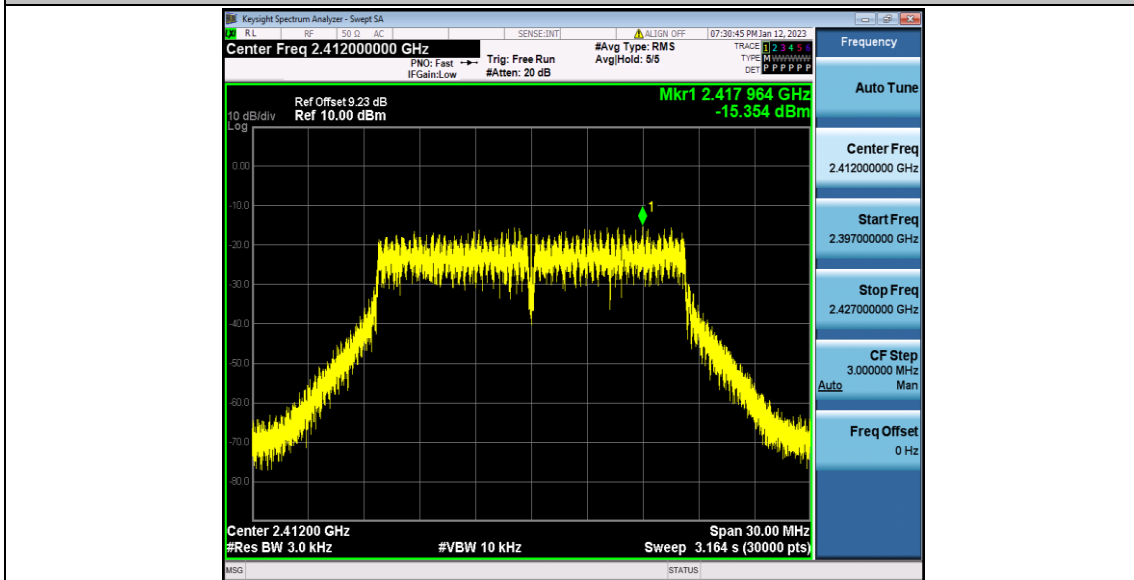
11B\_Ant1\_2437



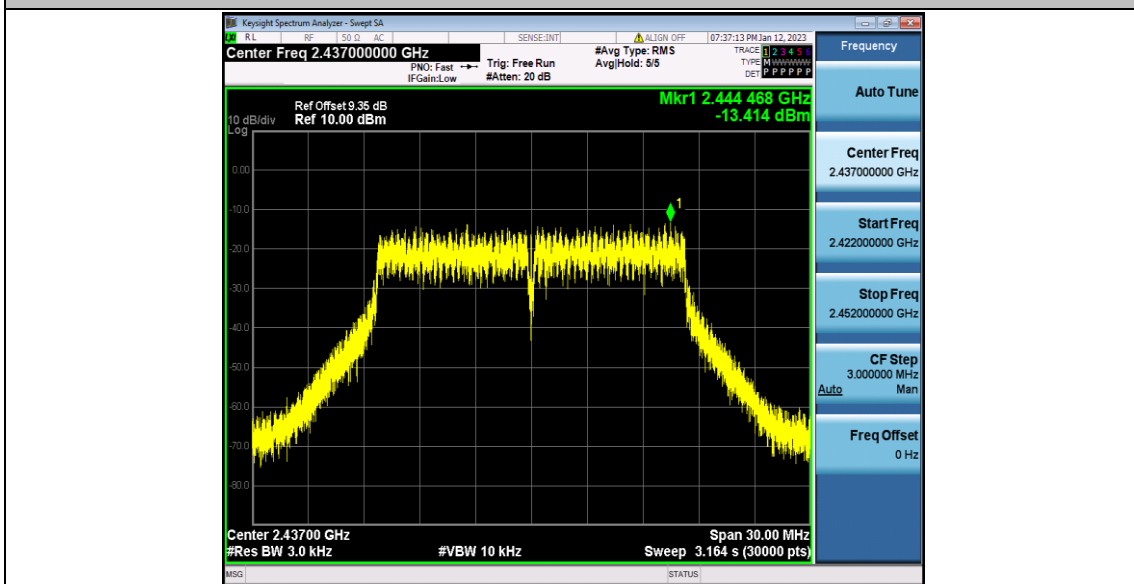
11B\_Ant1\_2462



11G\_Ant1\_2412

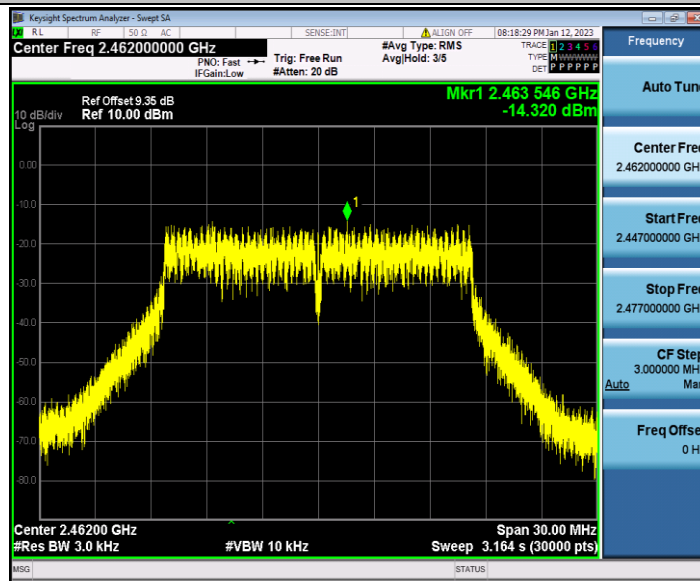


11G\_Ant1\_2437

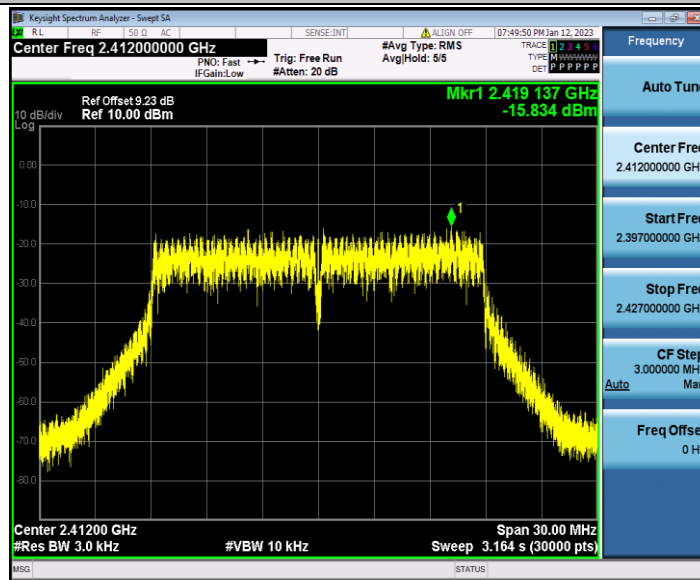




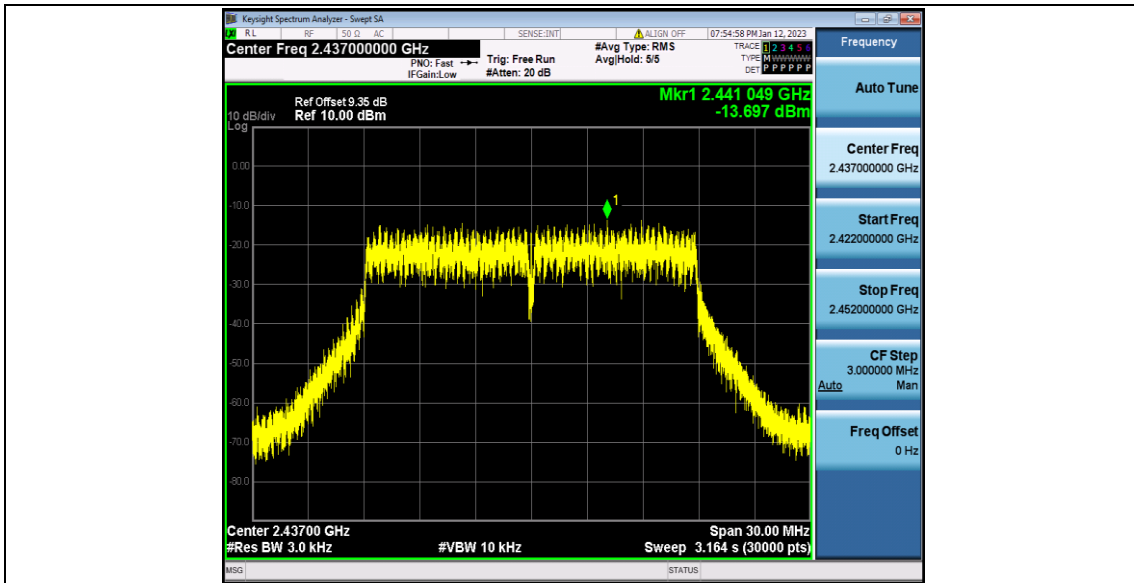
11G\_Ant1\_2462



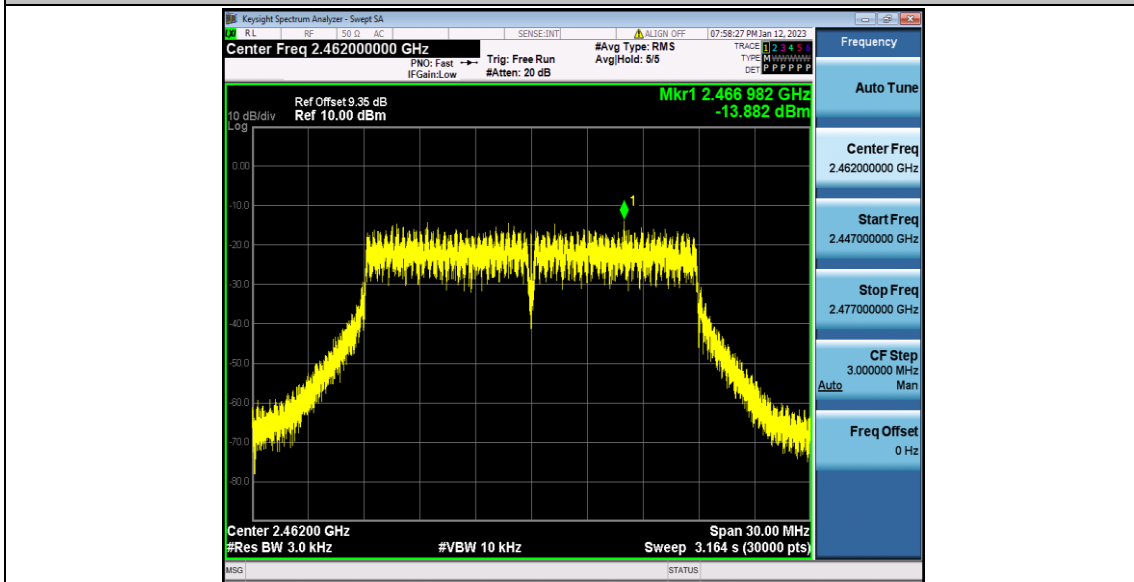
11N20SISO\_Ant1\_2412



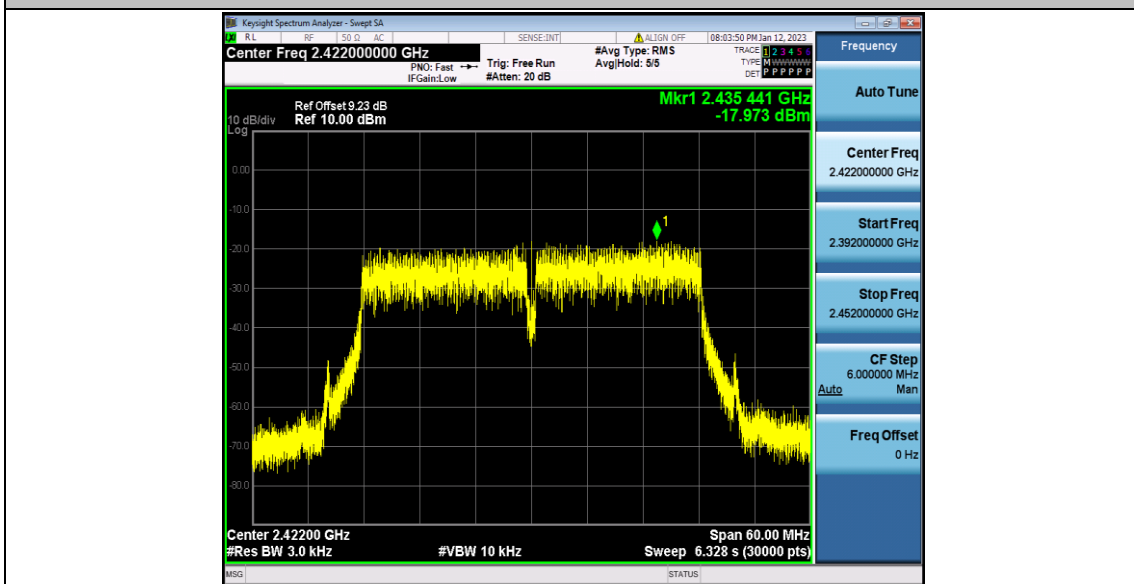
11N20SISO\_Ant1\_2437



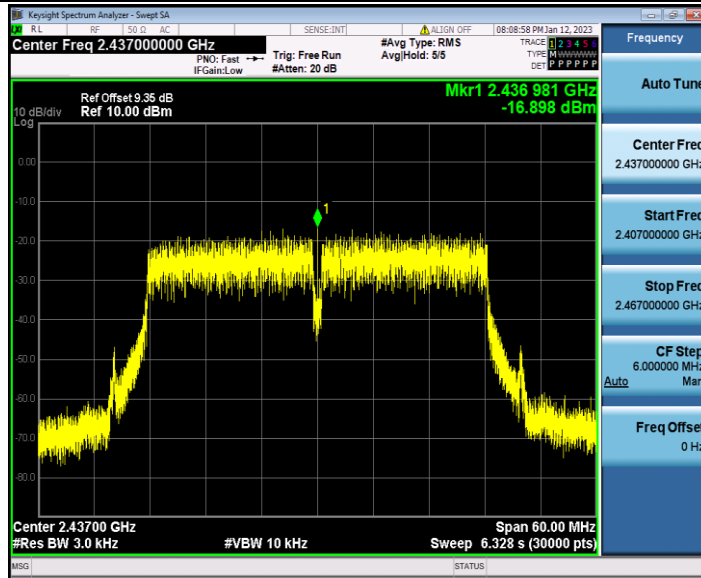
11N20SISO\_Ant1\_2462



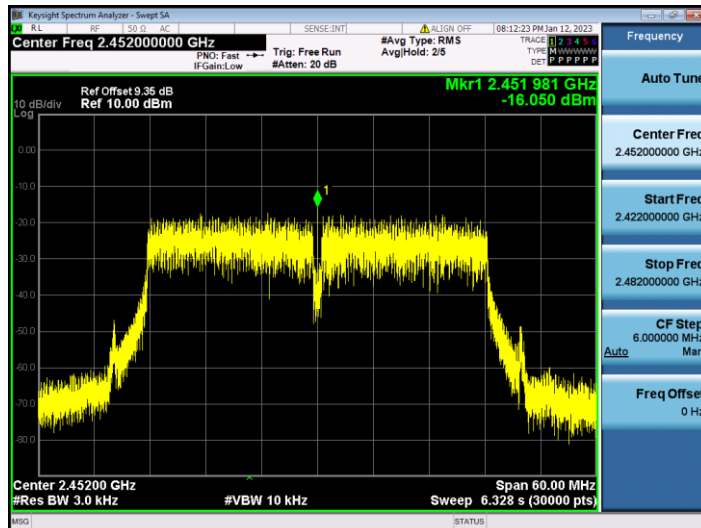
11N40SISO\_Ant1\_2422



11N40SISO\_Ant1\_2437



11N40SISO\_Ant1\_2452



## Appendix A.5: Band edge measurements

### Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.95	-42.69	≤-13.05	PASS
		High	2462	8.47	-47.74	≤-11.53	PASS
11G	Ant1	Low	2412	-1.28	-40.1	≤-21.28	PASS
		High	2462	0.77	-48.16	≤-19.23	PASS
11N20SISO	Ant1	Low	2412	-1.04	-39.78	≤-21.04	PASS
		High	2462	0.27	-47.36	≤-19.73	PASS
11N40SISO	Ant1	Low	2422	-3.47	-37.82	≤-23.47	PASS
		High	2452	-2.15	-44.26	≤-22.15	PASS