

Case No. : <u>GTS20230914005-1-11</u>
Ambient Condition: <u>24</u> °C, <u>52</u> %RH, Atmos100.1Kpa,
Test Date: <u>2023.9.27</u> Test Engineer: <u>Evan ouyang</u>

Appendix C.1: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.160	2407.960	2416.120	0.5	PASS
		2437	8.760	2432.560	2441.320	0.5	PASS
		2462	8.120	2457.960	2466.080	0.5	PASS
11G	Ant1	2412	16.400	2403.760	2420.160	0.5	PASS
		2437	16.400	2428.800	2445.200	0.5	PASS
		2462	16.360	2453.800	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.680	2403.160	2420.840	0.5	PASS
		2437	17.640	2428.160	2445.800	0.5	PASS
		2462	17.640	2453.200	2470.840	0.5	PASS
11N40SISO	Ant1	2422	36.400	2403.760	2440.160	0.5	PASS
		2437	36.160	2418.760	2454.920	0.5	PASS
		2452	36.400	2433.760	2470.160	0.5	PASS
11AX20SISO	Ant1	2412	18.800	2402.640	2421.440	0.5	PASS
		2437	18.800	2427.560	2446.360	0.5	PASS
		2462	18.920	2452.600	2471.520	0.5	PASS
11AX40SISO	Ant1	2422	37.840	2403.040	2440.880	0.5	PASS
		2437	37.760	2418.120	2455.880	0.5	PASS
		2452	37.680	2433.120	2470.800	0.5	PASS

Test Graphs



11B_Ant1_2412



11B_Ant1_2437



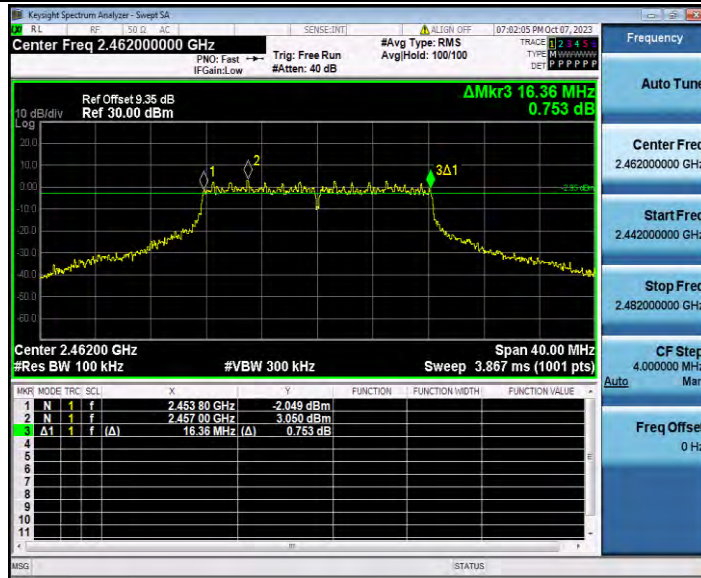
11B_Ant1_2462



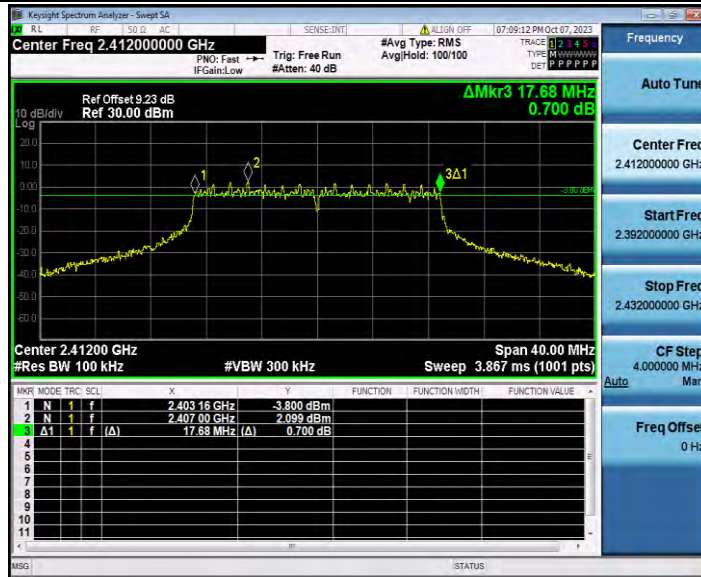
11G_Ant1_2412



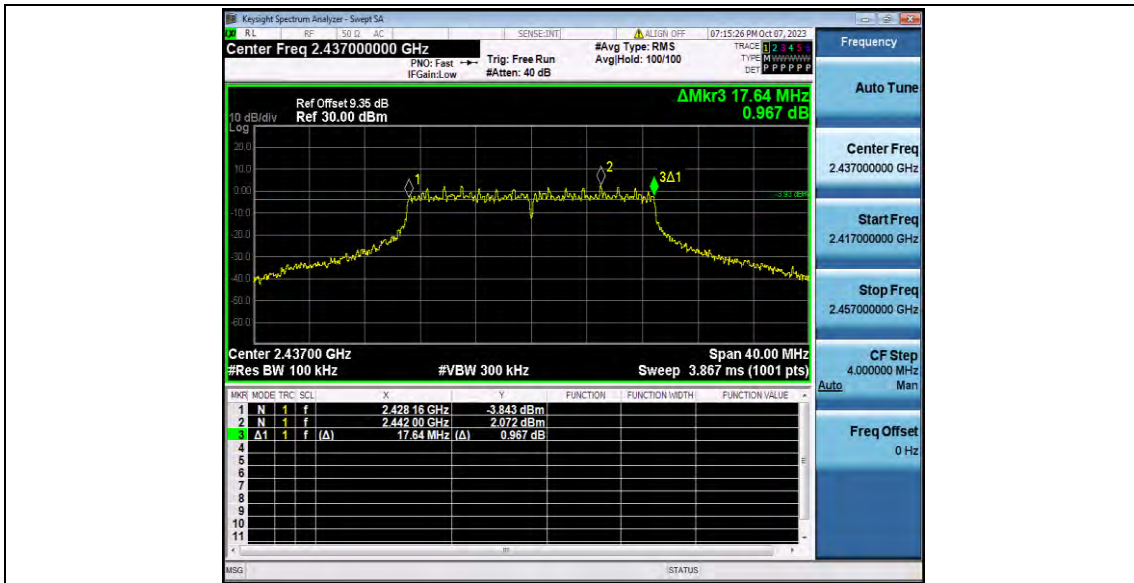
11G_Ant1_2437



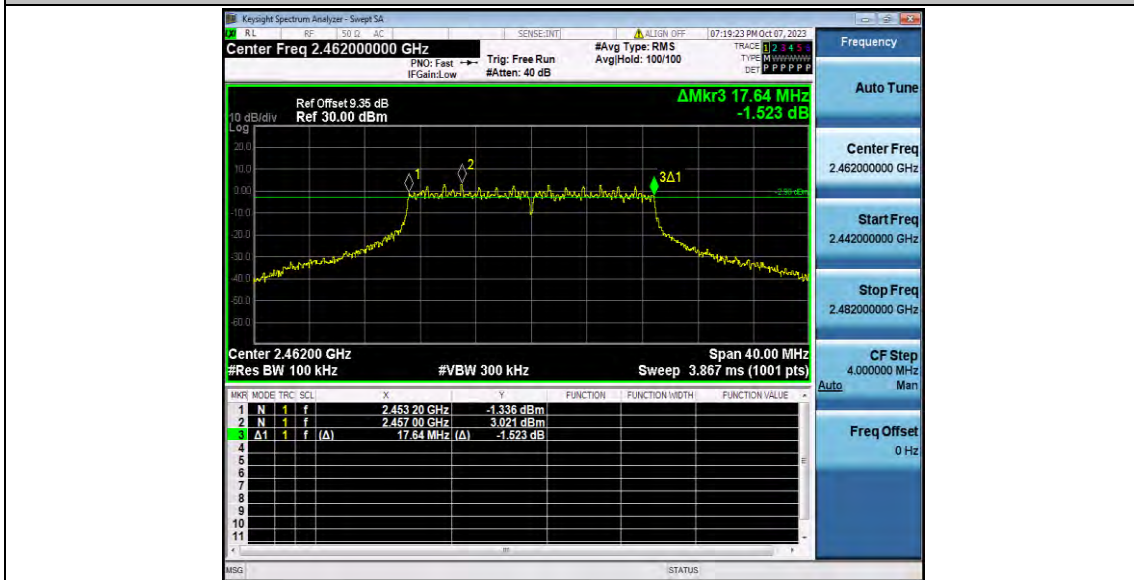
11G_Ant1_2462



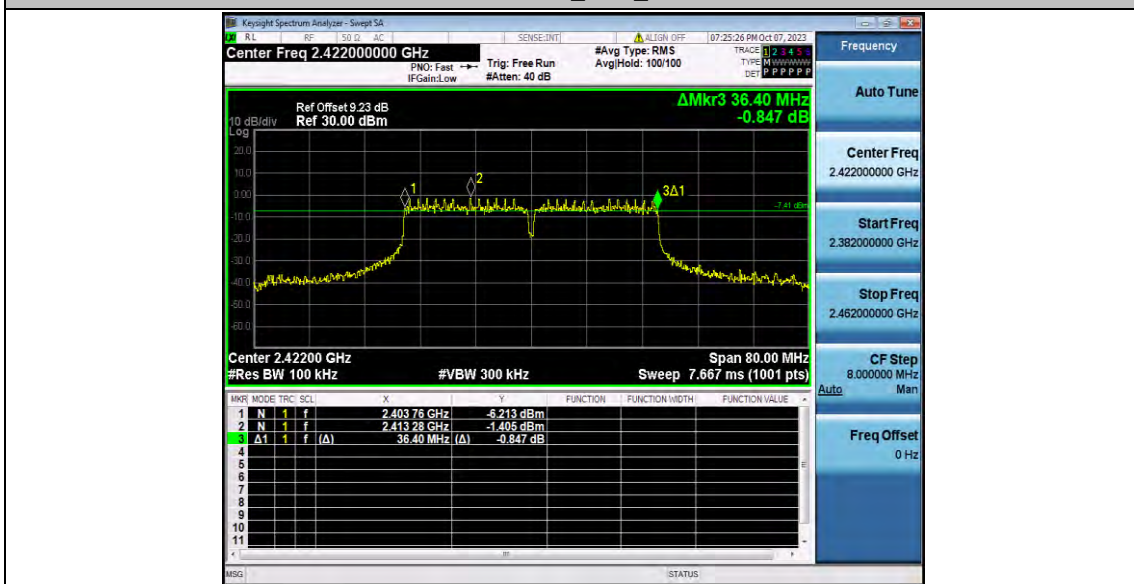
11N20SISO_Ant1_2412



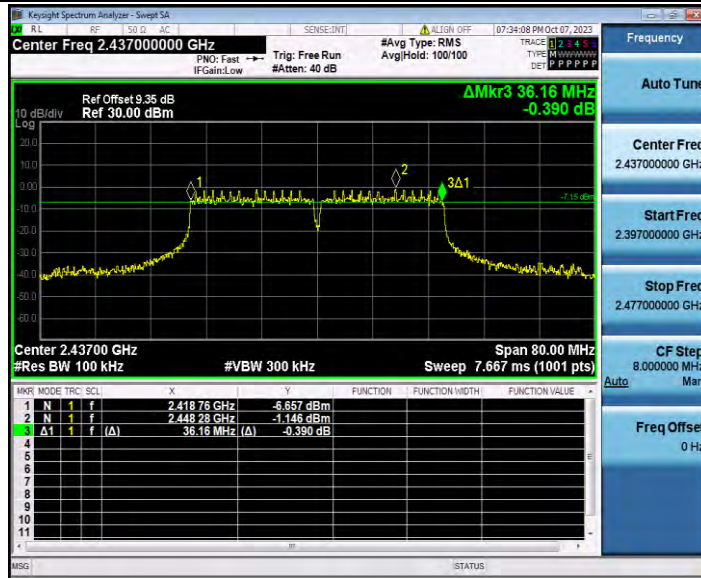
11N20SISO_Ant1_2437



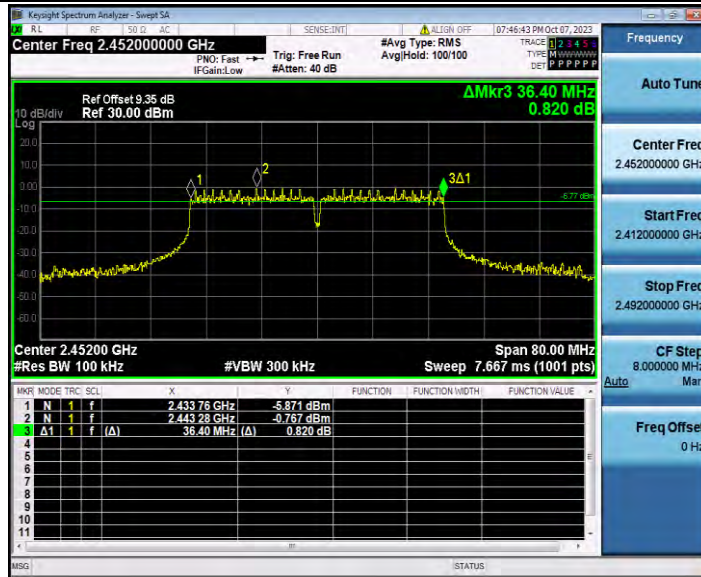
11N20SISO_Ant1_2462



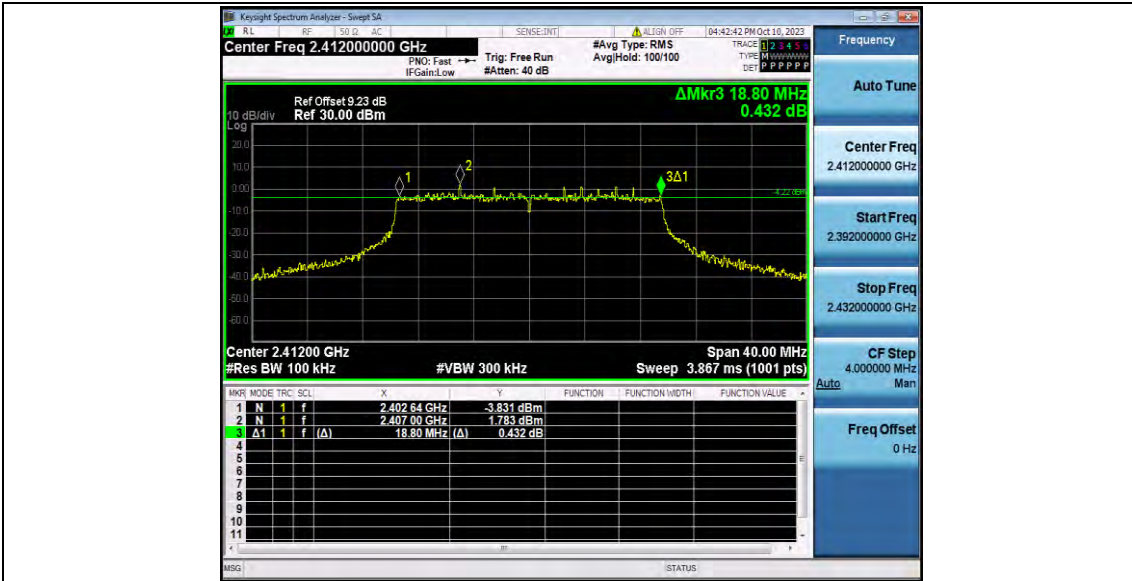
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



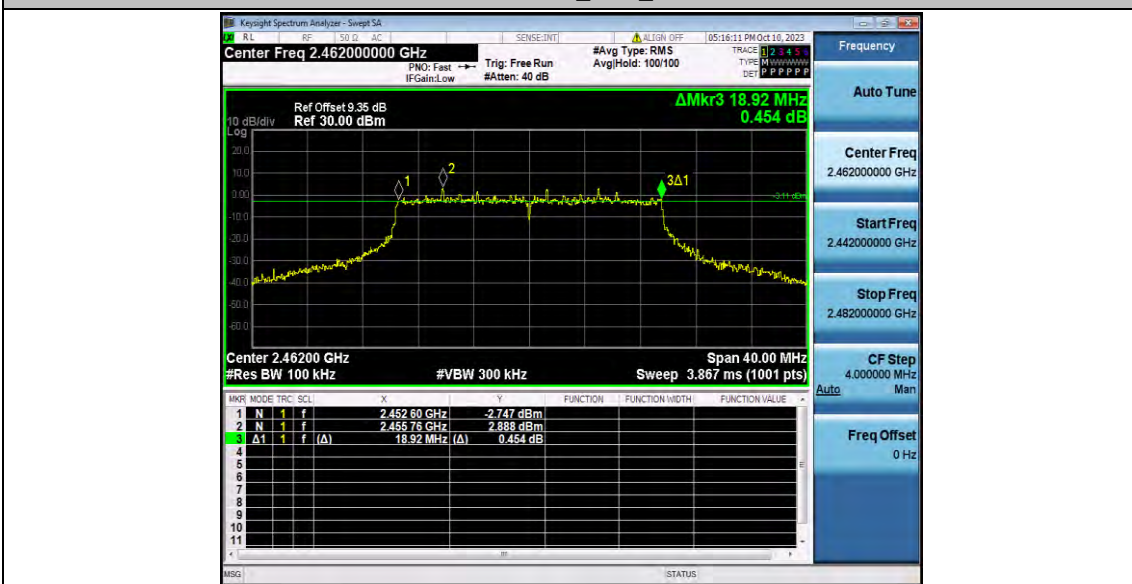
11N40SISO_Ant1_2452



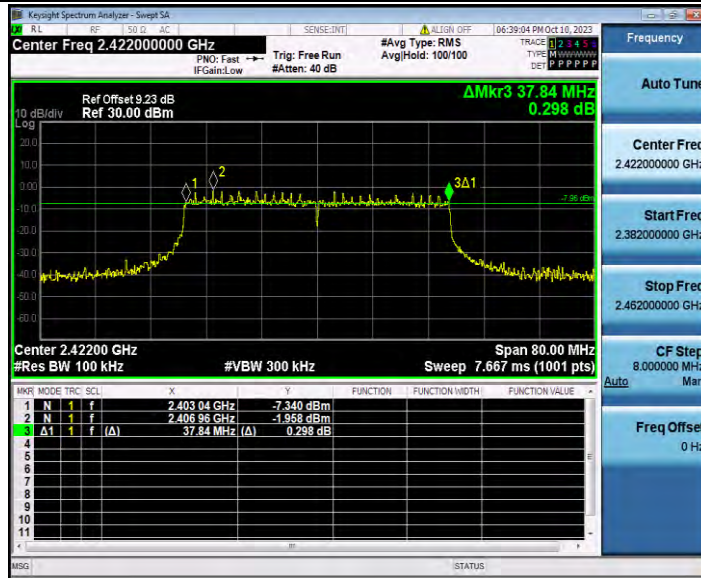
11AX20SISO_Ant1_2412



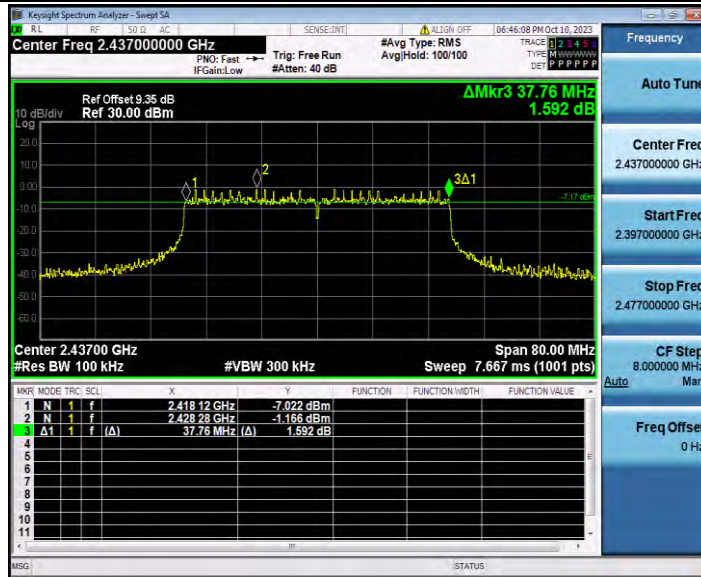
11AX20SISO_Ant1_2437



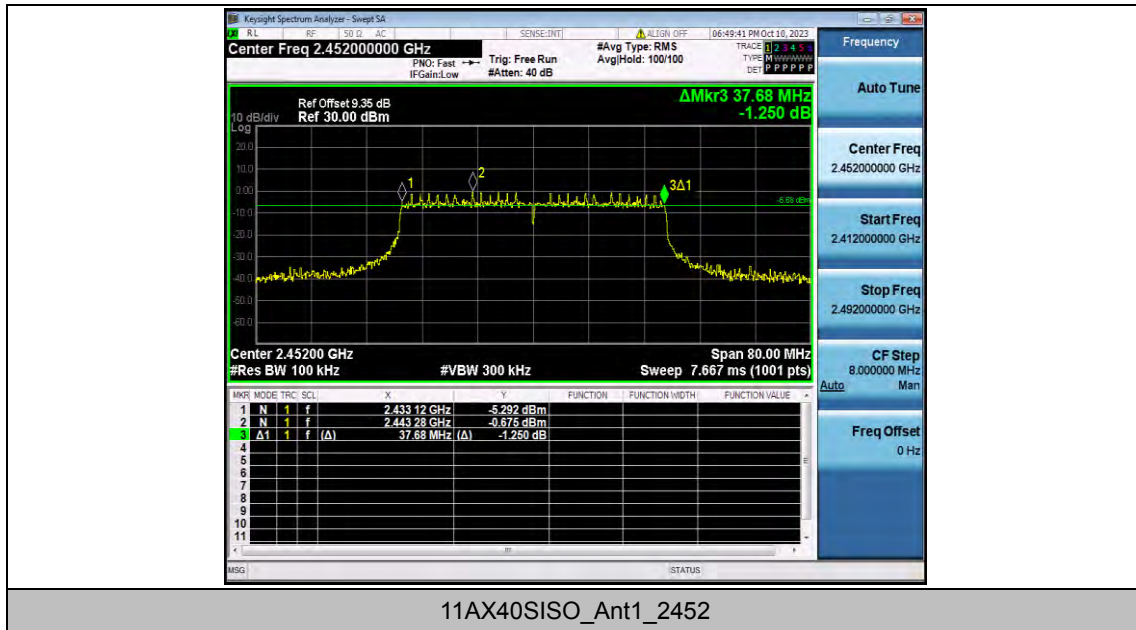
11AX20SISO_Ant1_2462



11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452

Appendix C.2: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.450	2405.706	2418.156	---	---
		2437	12.453	2430.803	2443.256	---	---
		2462	12.408	2455.772	2468.180	---	---
11G	Ant1	2412	17.295	2403.274	2420.569	---	---
		2437	17.436	2428.249	2445.685	---	---
		2462	17.341	2453.235	2470.576	---	---
11N20SISO	Ant1	2412	18.403	2402.789	2421.192	---	---
		2437	18.579	2427.686	2446.265	---	---
		2462	18.538	2452.629	2471.167	---	---
11N40SISO	Ant1	2422	36.823	2403.540	2440.363	---	---
		2437	36.850	2418.557	2455.407	---	---
		2452	36.700	2433.644	2470.344	---	---
11AX20SISO	Ant1	2412	19.572	2402.247	2421.819	---	---
		2437	19.551	2427.300	2446.851	---	---
		2462	19.613	2452.239	2471.852	---	---
11AX40SISO	Ant1	2422	38.380	2402.759	2441.139	---	---
		2437	38.367	2417.726	2456.093	---	---
		2452	38.348	2432.732	2471.080	---	---

Test Graphs



11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



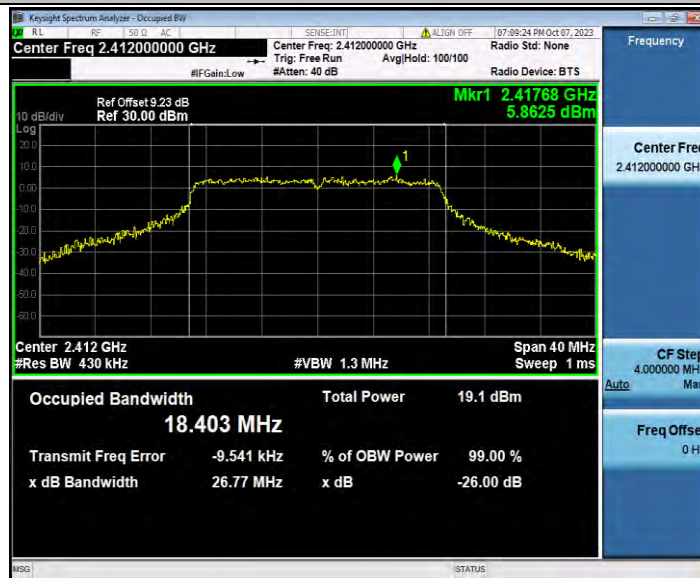
11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



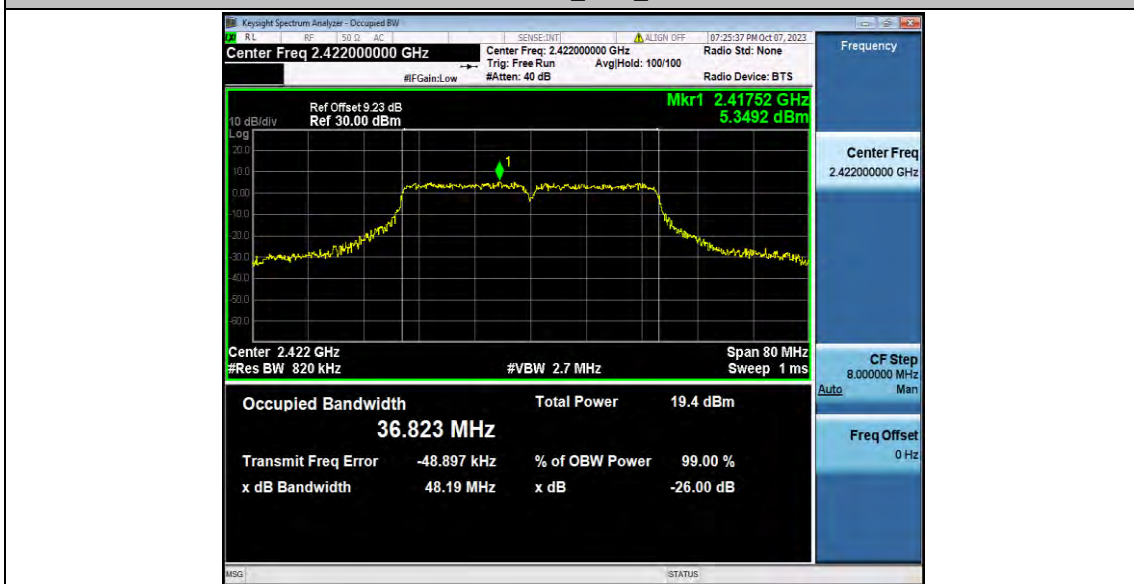
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



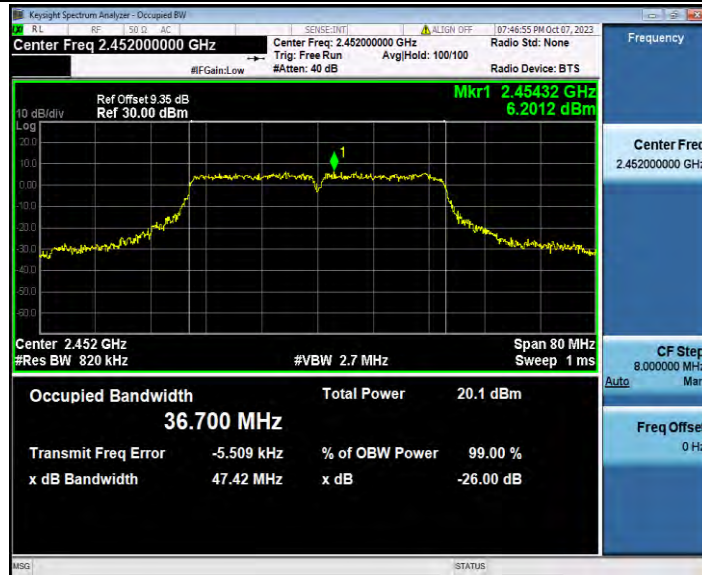
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



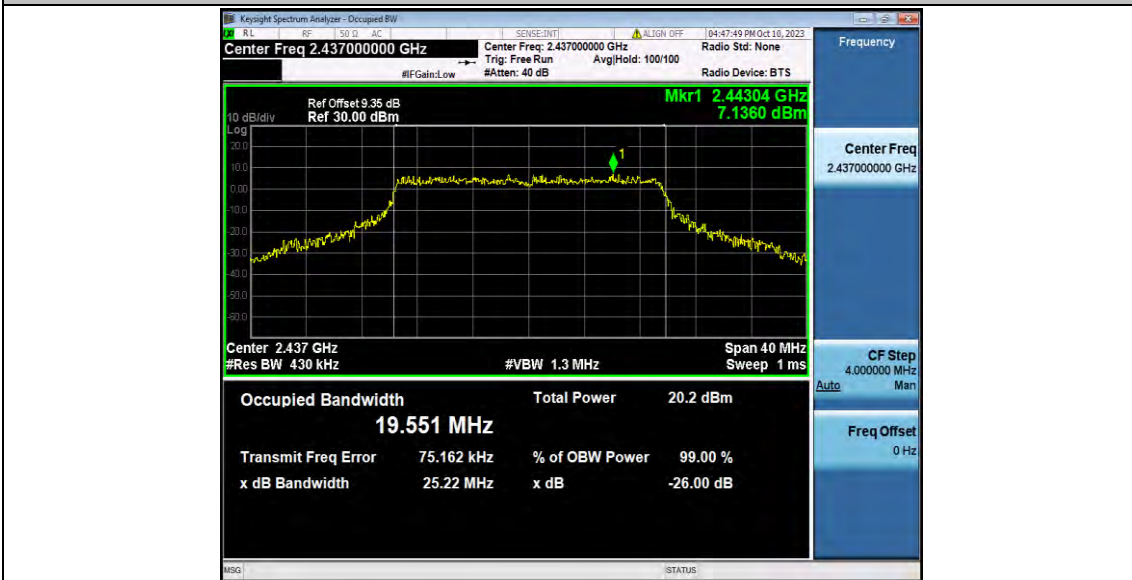
11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



11AX20SISO_Ant1_2412



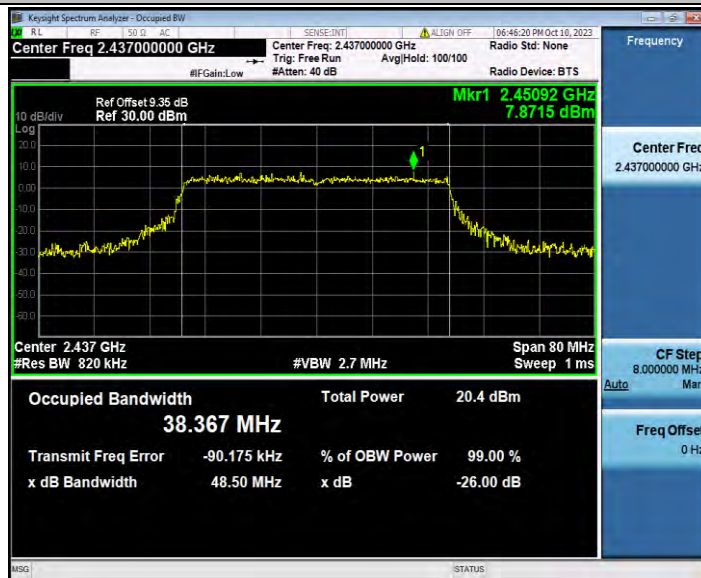
11AX20SISO_Ant1_2437



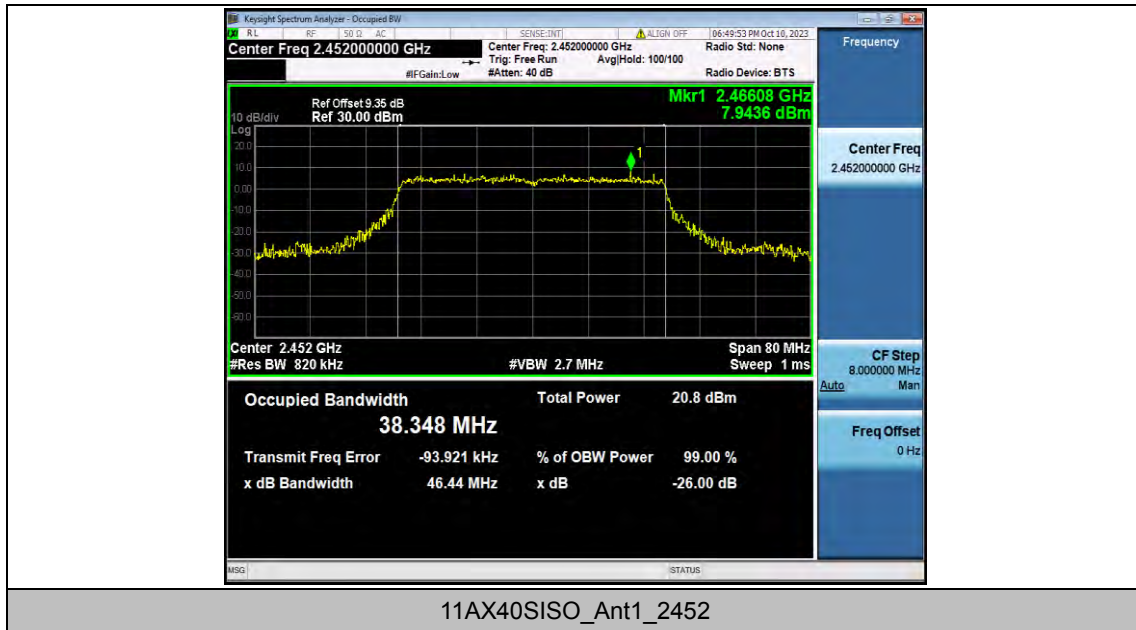
11AX20SISO_Ant1_2462



11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452

Appendix C.3: Maximum conducted output power

Test Result Peak

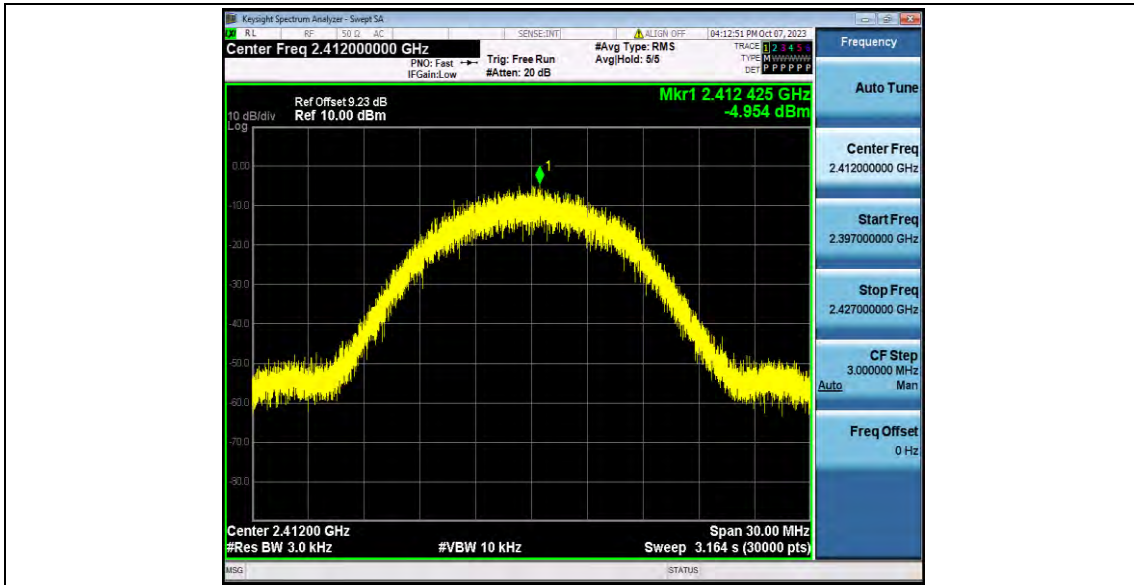
Test Mode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	24.09	≤30.00	PASS
		2437	24.00	≤30.00	PASS
		2462	24.83	≤30.00	PASS
11G	Ant1	2412	20.07	≤30.00	PASS
		2437	20.11	≤30.00	PASS
		2462	21.00	≤30.00	PASS
11N20SISO	Ant1	2412	20.00	≤30.00	PASS
		2437	20.01	≤30.00	PASS
		2462	20.93	≤30.00	PASS
11N40SISO	Ant1	2422	19.57	≤30.00	PASS
		2437	19.82	≤30.00	PASS
		2452	20.30	≤30.00	PASS
11AX20SISO	Ant1	2412	20.35	≤30.00	PASS
		2437	20.88	≤30.00	PASS
		2462	21.48	≤30.00	PASS
11AX40SISO	Ant1	2422	19.46	≤30.00	PASS
		2437	20.45	≤30.00	PASS
		2452	20.86	≤30.00	PASS

Appendix C.4: Maximum power spectral density

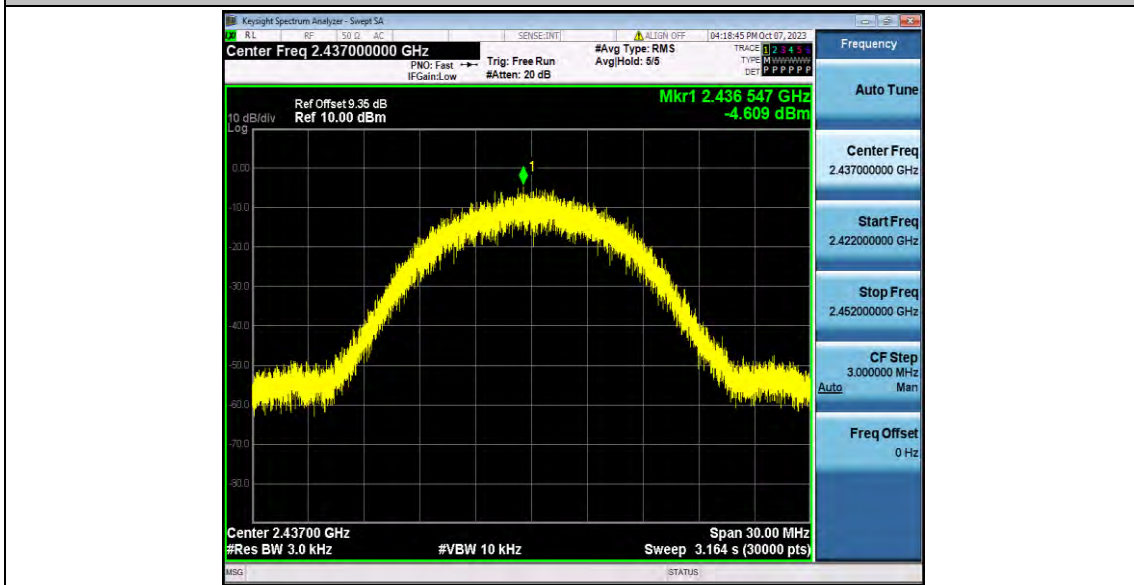
Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-4.95	≤8.00	PASS
		2437	-4.61	≤8.00	PASS
		2462	-3.44	≤8.00	PASS
11G	Ant1	2412	-12.77	≤8.00	PASS
		2437	-12.28	≤8.00	PASS
		2462	-11.86	≤8.00	PASS
11N20SISO	Ant1	2412	-12.22	≤8.00	PASS
		2437	-12.07	≤8.00	PASS
		2462	-11.64	≤8.00	PASS
11N40SISO	Ant1	2422	-14.65	≤8.00	PASS
		2437	-14.88	≤8.00	PASS
		2452	-14.11	≤8.00	PASS
11AX20SISO	Ant1	2412	-14.17	≤8.00	PASS
		2437	-12.61	≤8.00	PASS
		2462	-12.79	≤8.00	PASS
11AX40SISO	Ant1	2422	-17.67	≤8.00	PASS
		2437	-16.41	≤8.00	PASS
		2452	-16.36	≤8.00	PASS

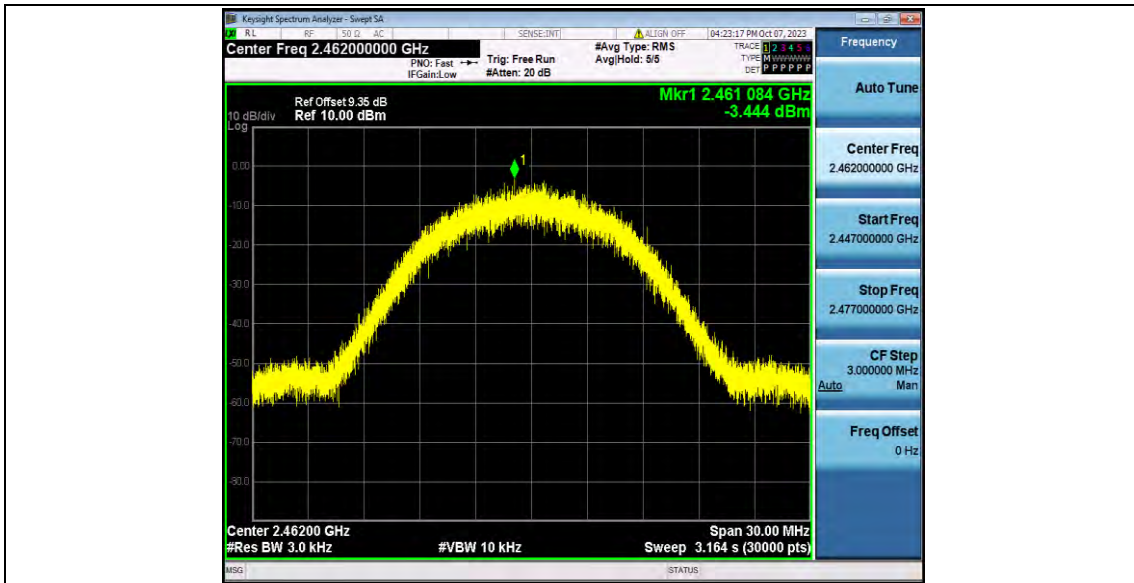
Test Graphs



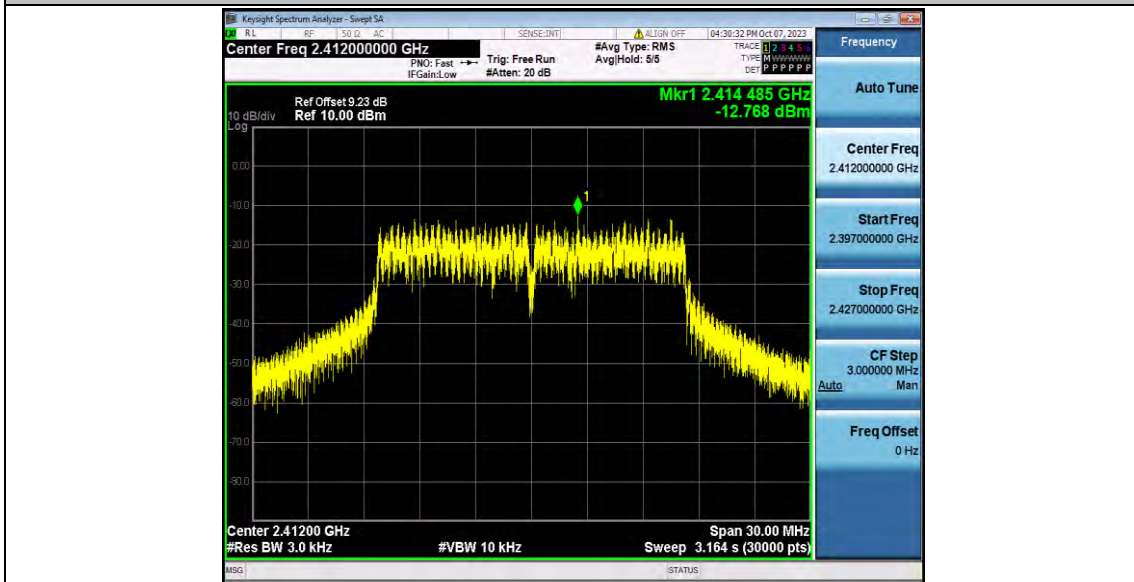
11B_Ant1_2412



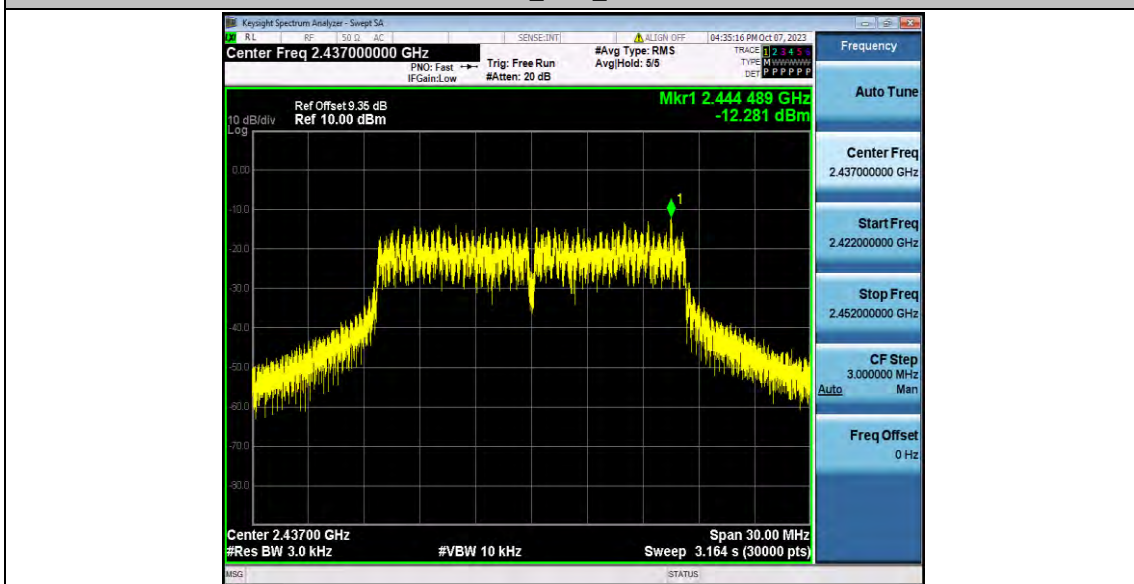
11B_Ant1_2437



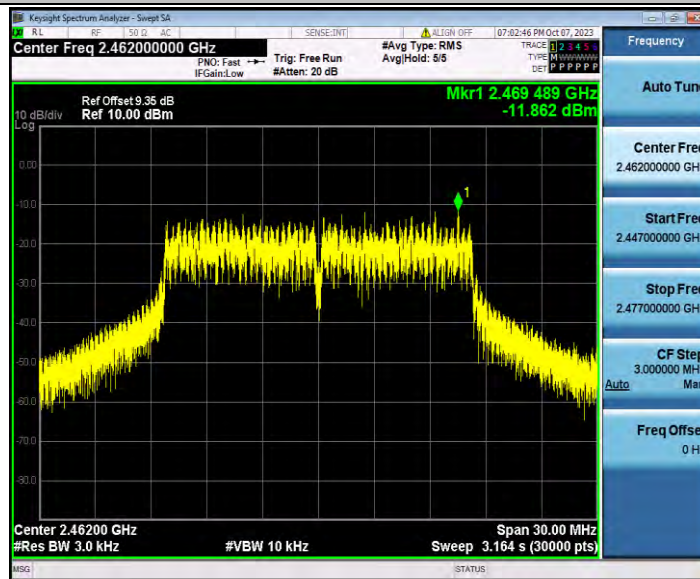
11B_Ant1_2462



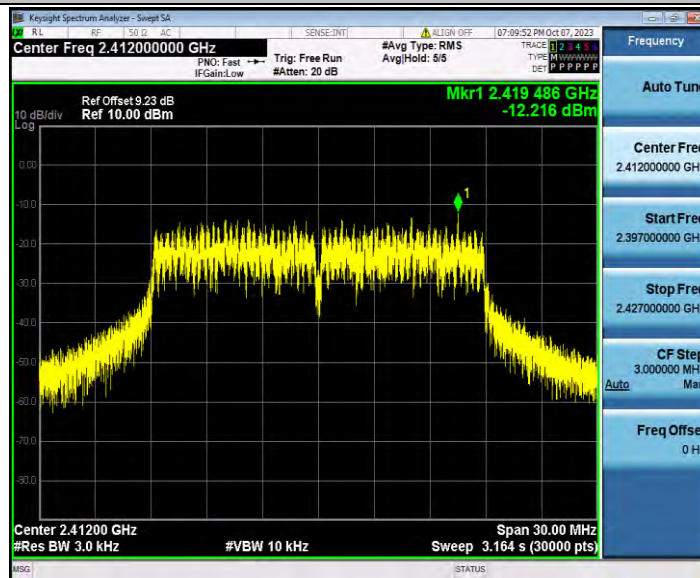
11G_Ant1_2412



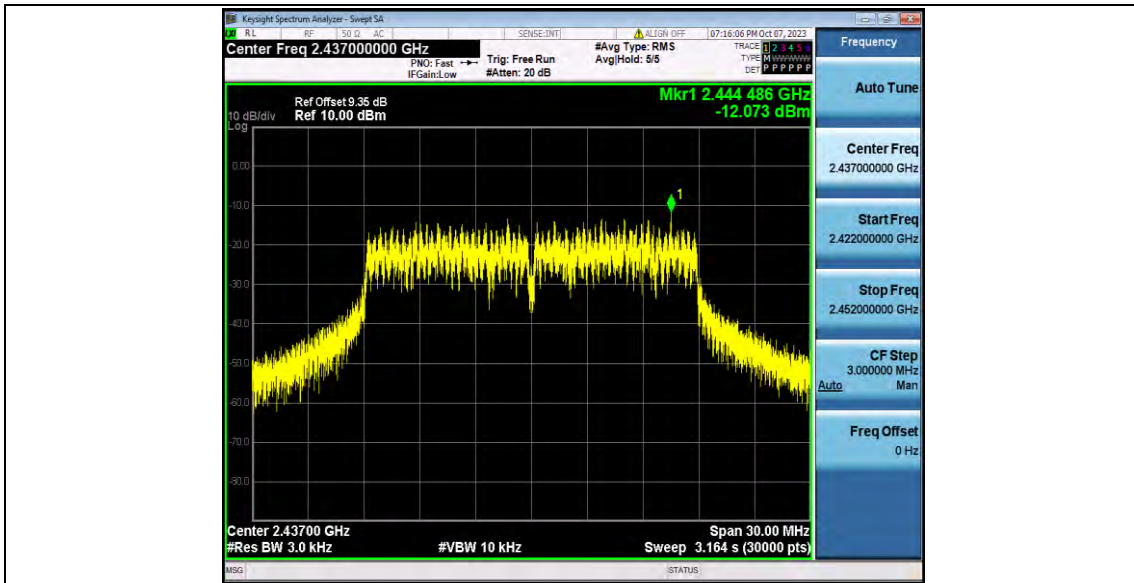
11G_Ant1_2437



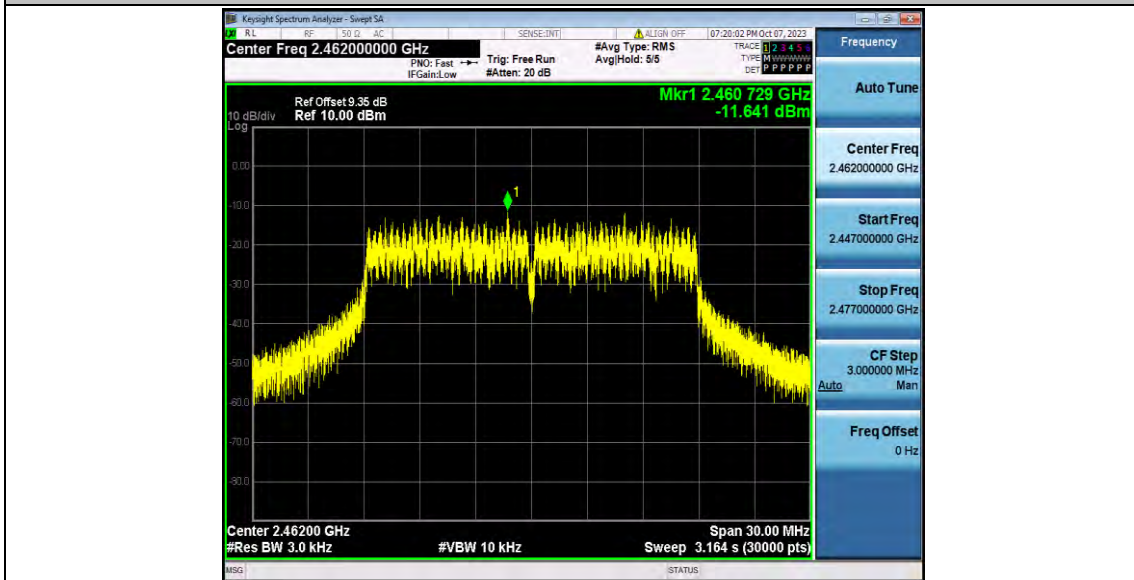
11G_Ant1_2462



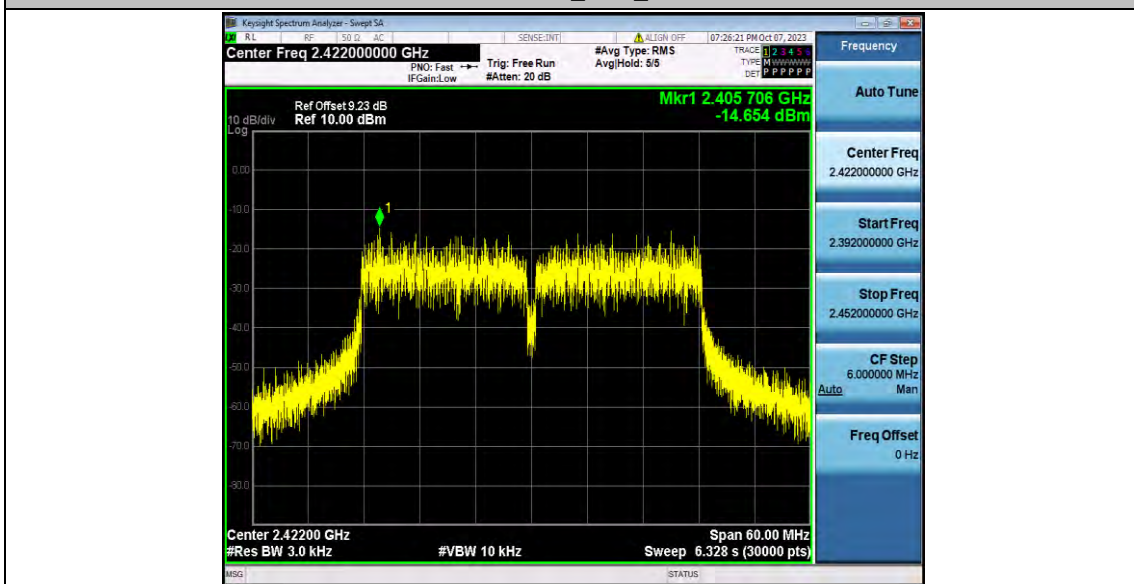
11N20SISO_Ant1_2412



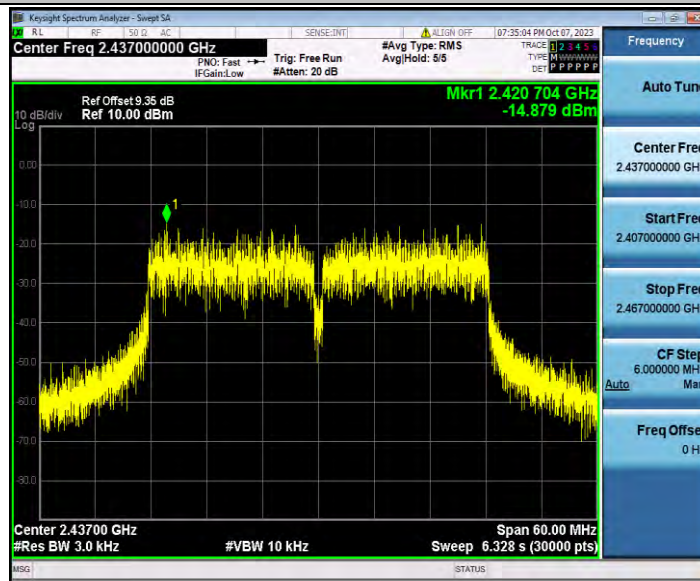
11N20SISO_Ant1_2437



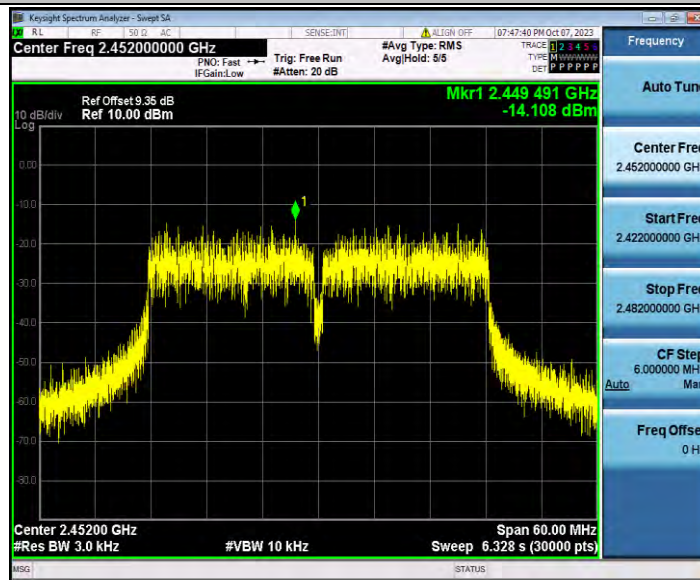
11N20SISO_Ant1_2462



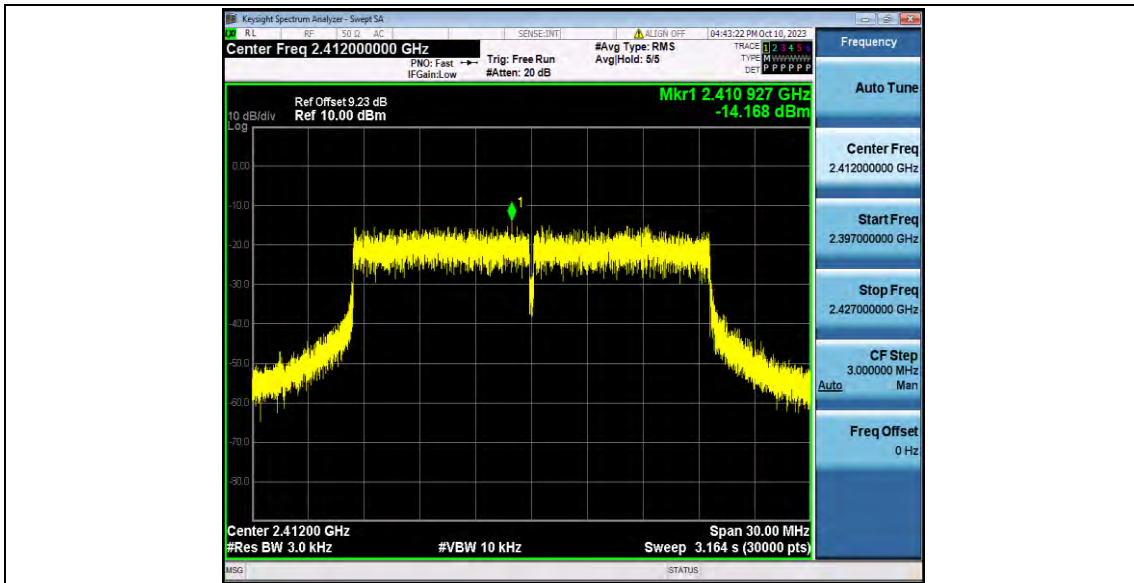
11N40SISO_Ant1_2422



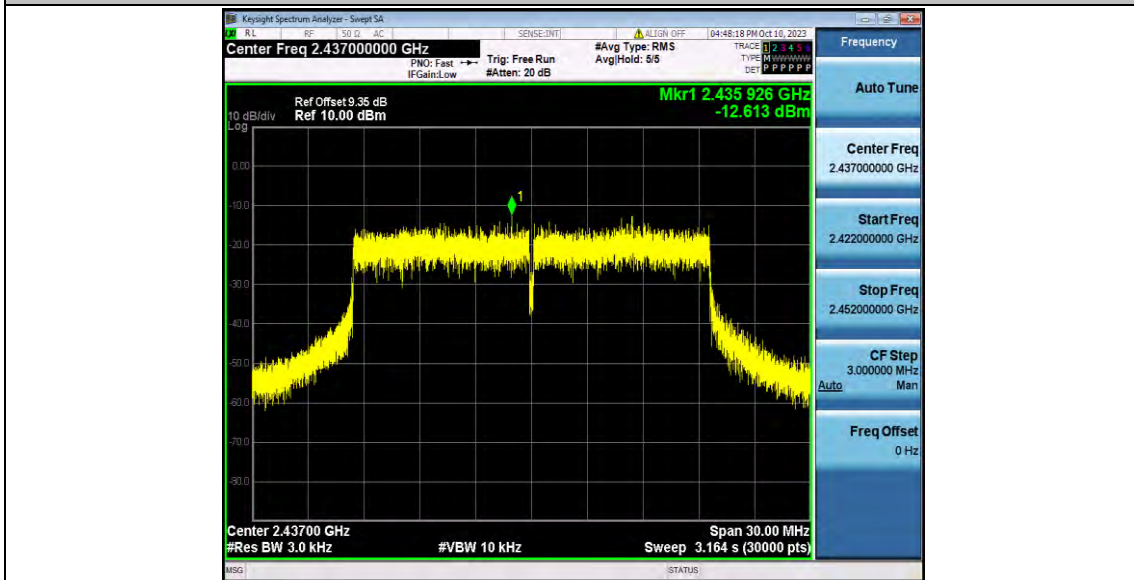
11N40SISO_Ant1_2437



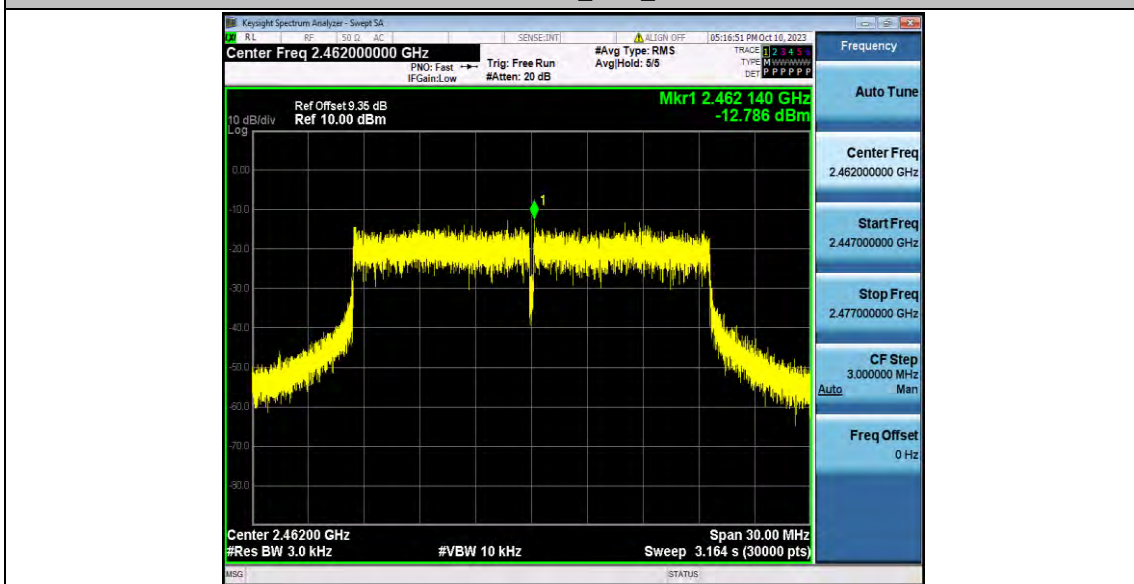
11N40SISO_Ant1_2452



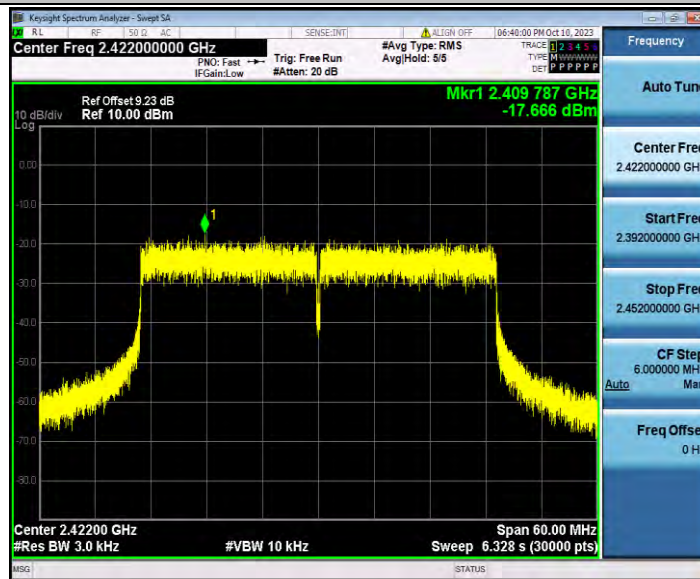
11AX20SISO_Ant1_2412



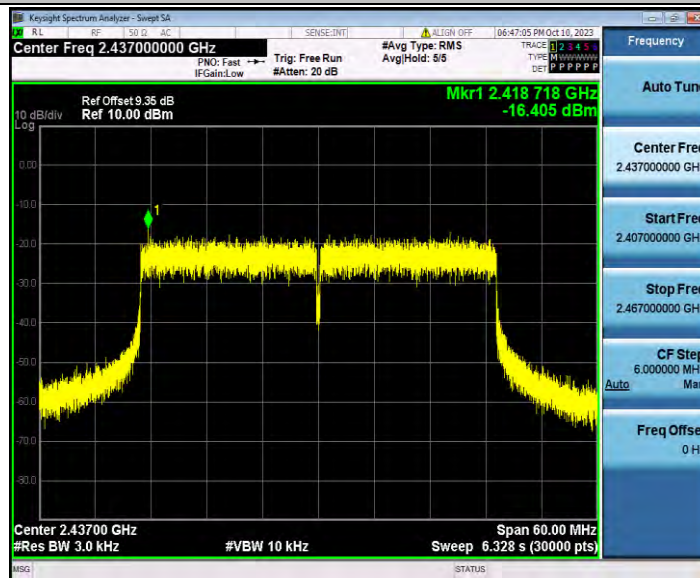
11AX20SISO_Ant1_2437



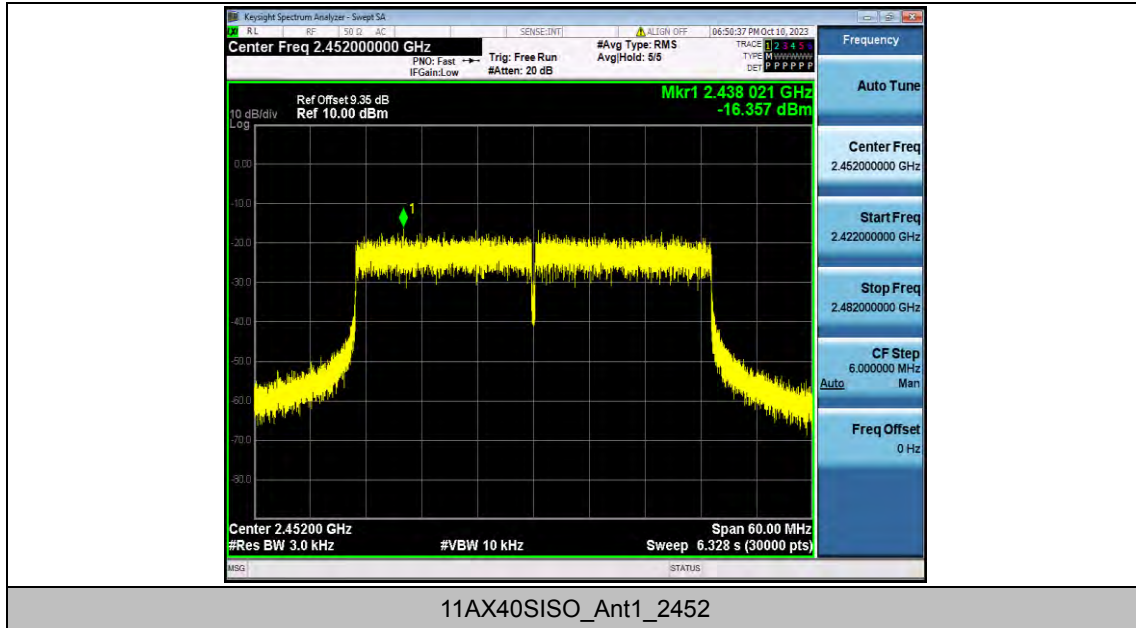
11AX20SISO_Ant1_2462



11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437

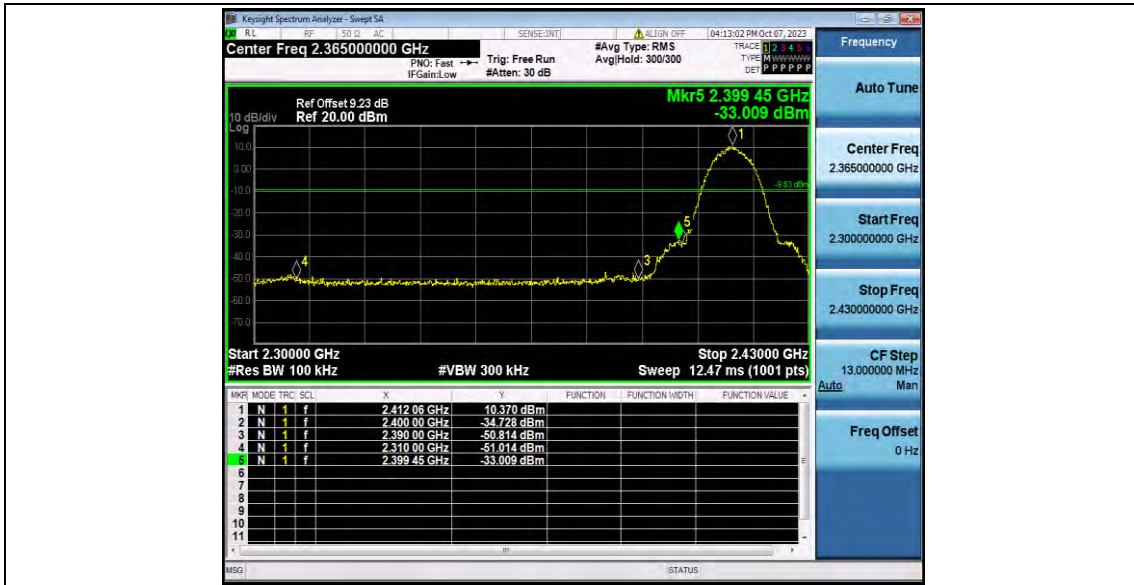


Appendix C.5: Band edge measurements

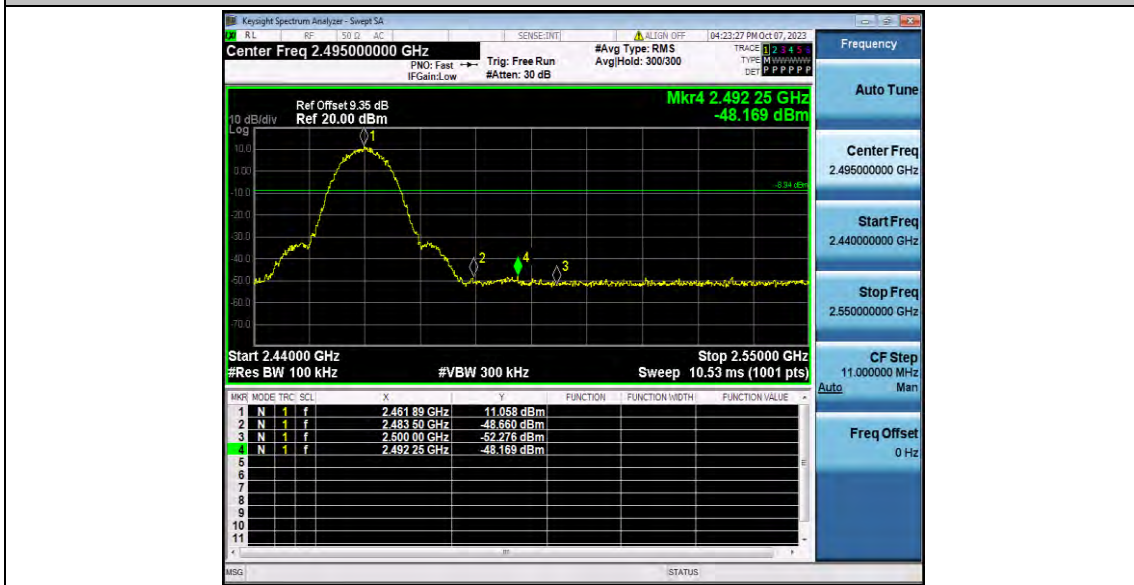
Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	10.37	-33.01	≤ -9.63	PASS
		High	2462	11.06	-48.17	≤ -8.94	PASS
11G	Ant1	Low	2412	2.18	-26.44	≤ -17.82	PASS
		High	2462	3.05	-41.71	≤ -16.95	PASS
11N20SISO	Ant1	Low	2412	2.21	-26.05	≤ -17.79	PASS
		High	2462	3.17	-41.2	≤ -16.83	PASS
11N40SISO	Ant1	Low	2422	-1.39	-31.11	≤ -21.39	PASS
		High	2452	-0.72	-35.11	≤ -20.72	PASS
11AX20SISO	Ant1	Low	2412	1.55	-26.76	≤ -18.45	PASS
		High	2462	3.15	-39.01	≤ -16.85	PASS
11AX40SISO	Ant1	Low	2422	-1.83	-32.07	≤ -21.83	PASS
		High	2452	-0.68	-35.25	≤ -20.68	PASS

Test Graphs



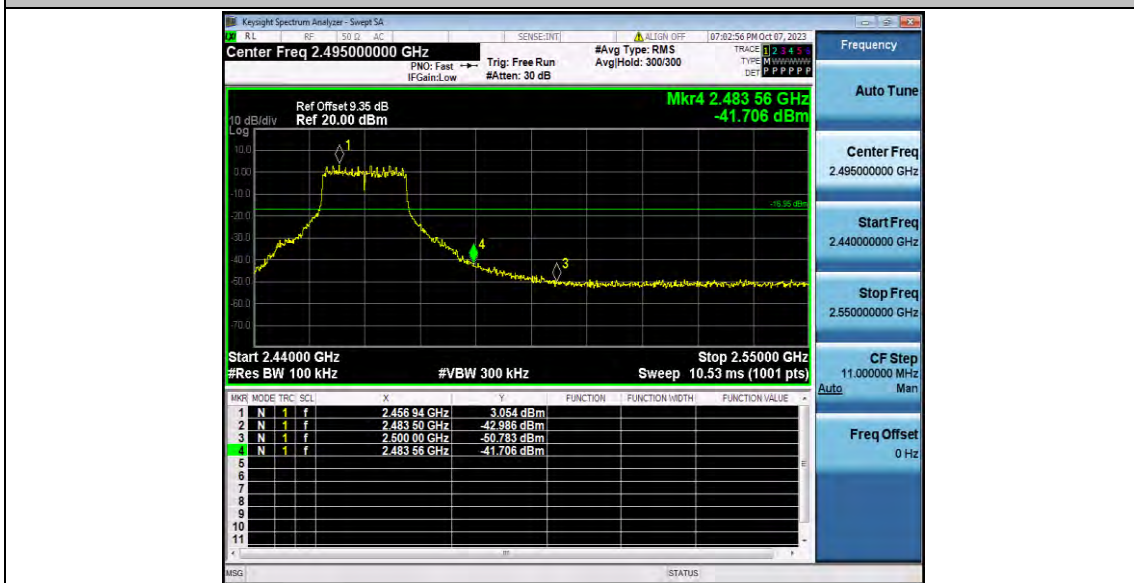
11B_Ant1_Low_2412



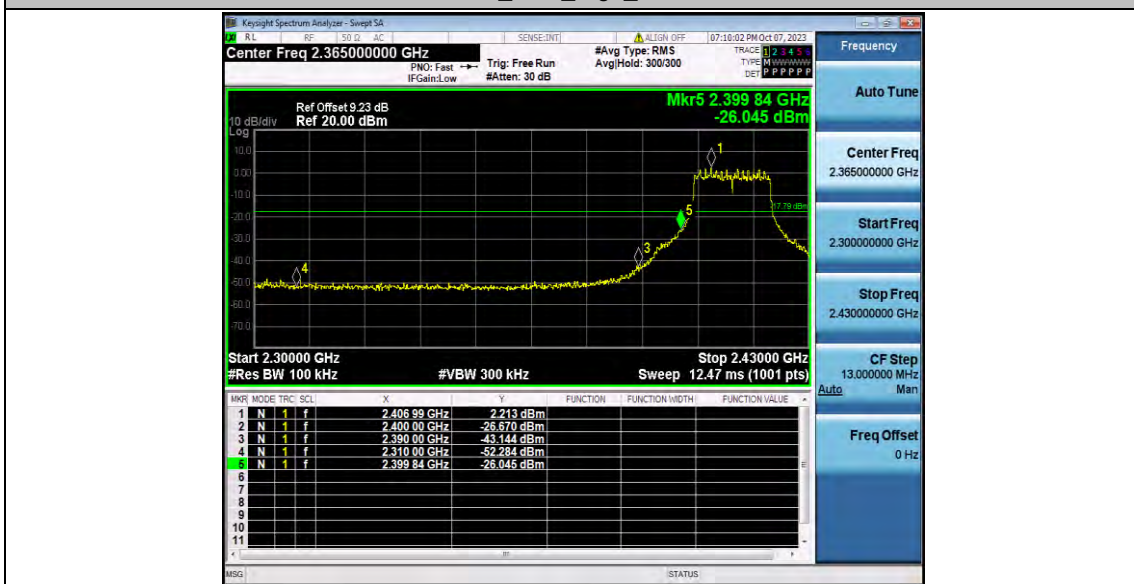
11B_Ant1_High_2462



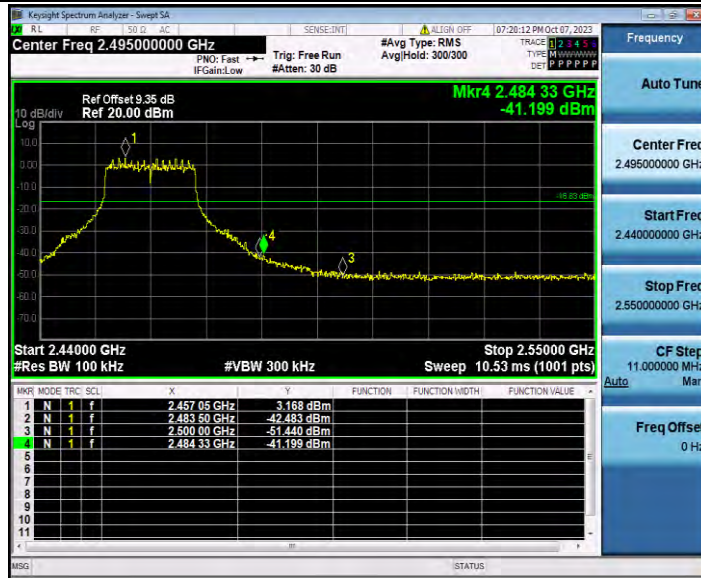
11G_Ant1_Low_2412



11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



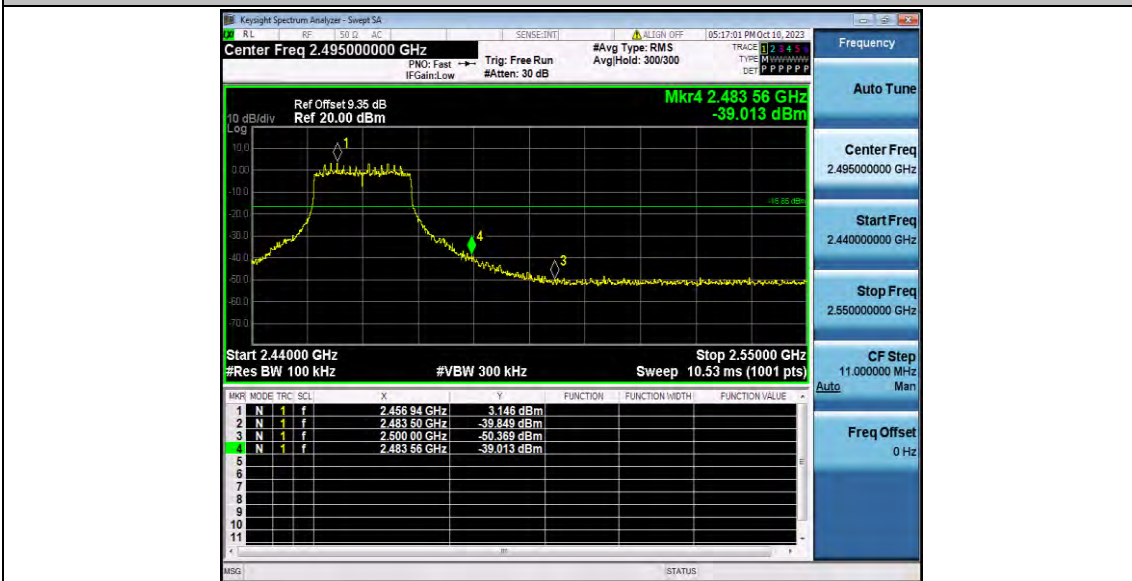
11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



11AX20SISO_Ant1_Low_2412



11AX20SISO_Ant1_High_2462



11AX40SISO_Ant1_Low_2422



11AX40SISO_Ant1_High_2452