

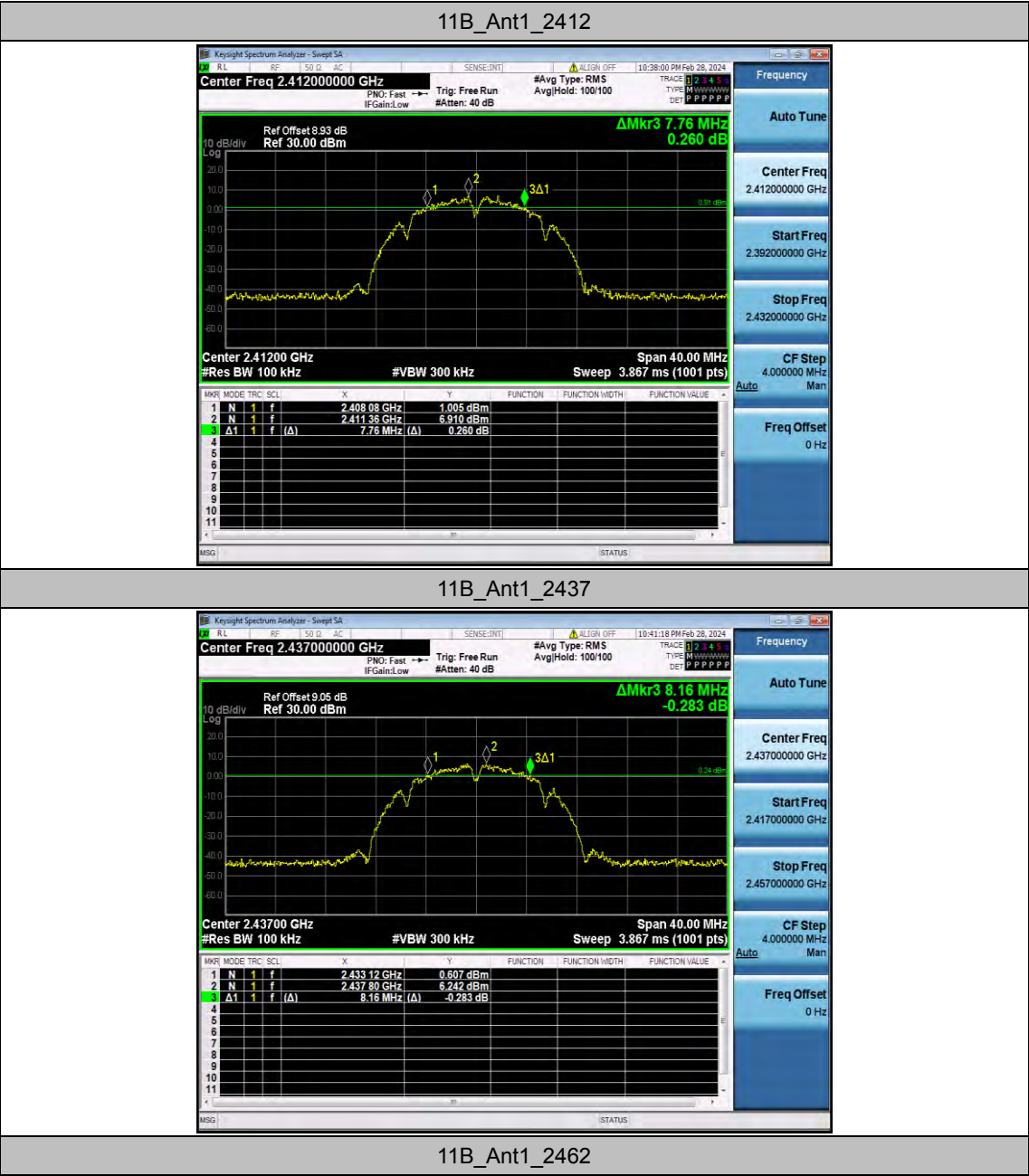
Case No. : <u>GTS20231208004-1-64</u>	
Ambient Condition: <u>22</u> °C, <u>48</u> %RH,	
Test Date: <u>2024.2.28</u>	Test Engineer: <u>Evan ouyang</u>

Appendix C.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	7.760	2408.080	2415.840	0.5	PASS
		2437	8.160	2433.120	2441.280	0.5	PASS
		2462	8.000	2458.000	2466.000	0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	0.5	PASS
		2437	14.040	2429.840	2443.880	0.5	PASS
		2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant1	2412	15.920	2403.840	2419.760	0.5	PASS
		2437	15.000	2429.520	2444.520	0.5	PASS
		2462	17.120	2453.400	2470.520	0.5	PASS
11N40SISO	Ant1	2422	30.160	2406.880	2437.040	0.5	PASS
		2437	33.760	2419.560	2453.320	0.5	PASS
		2452	28.560	2436.960	2465.520	0.5	PASS
11AX20SISO	Ant1	2412	12.600	2405.560	2418.160	0.5	PASS
		2437	14.720	2429.200	2443.920	0.5	PASS
		2462	16.400	2453.480	2469.880	0.5	PASS
11AX40SISO	Ant1	2422	31.280	2405.760	2437.040	0.5	PASS
		2437	31.040	2422.280	2453.320	0.5	PASS
		2452	36.800	2433.520	2470.320	0.5	PASS

Test Graphs



11B_Ant1_2437

Frequency

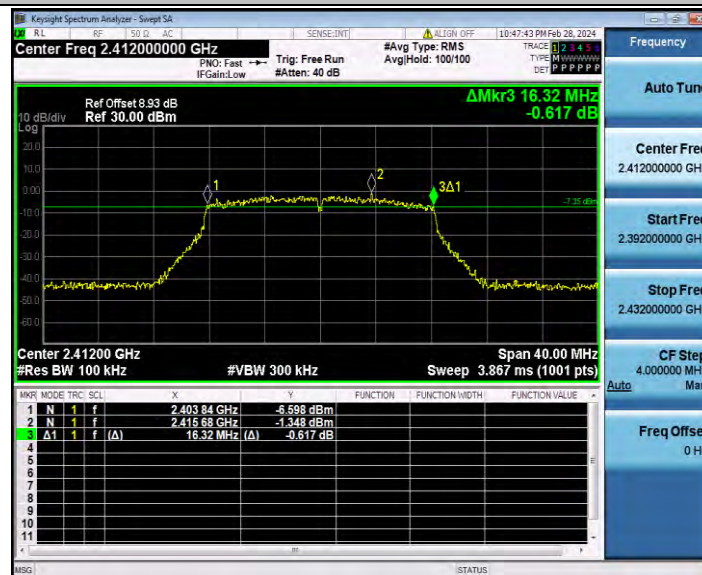
Auto Tune

Center Freq
2.437000000 GHzStart Freq
2.417000000 GHzStop Freq
2.457000000 GHzCF Step
4.000000 MHz
Auto ManFreq Offset
0 Hz

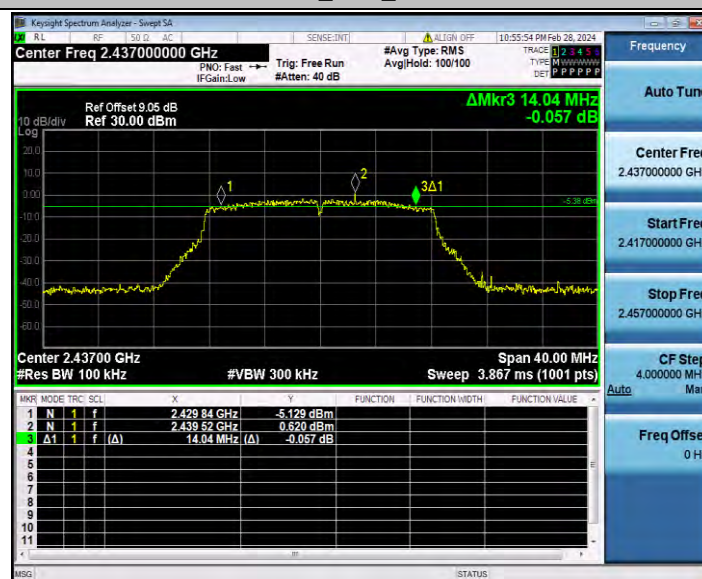
11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



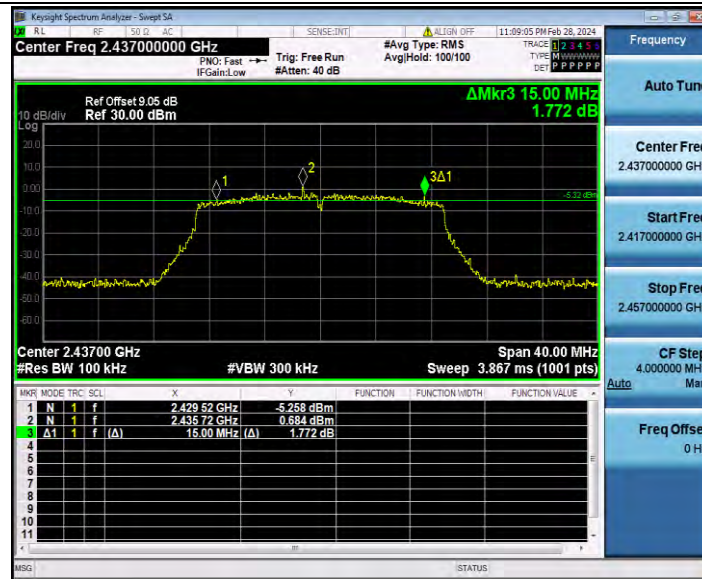
11G_Ant1_2462



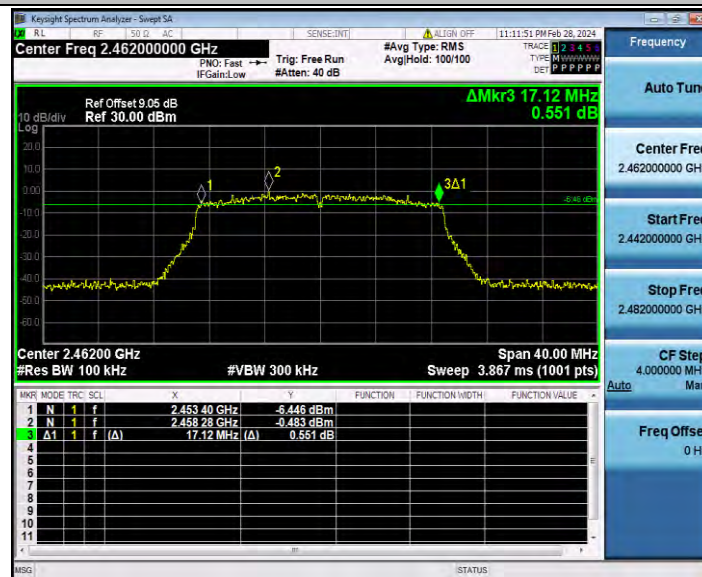
11N20SISO_Ant1_2412



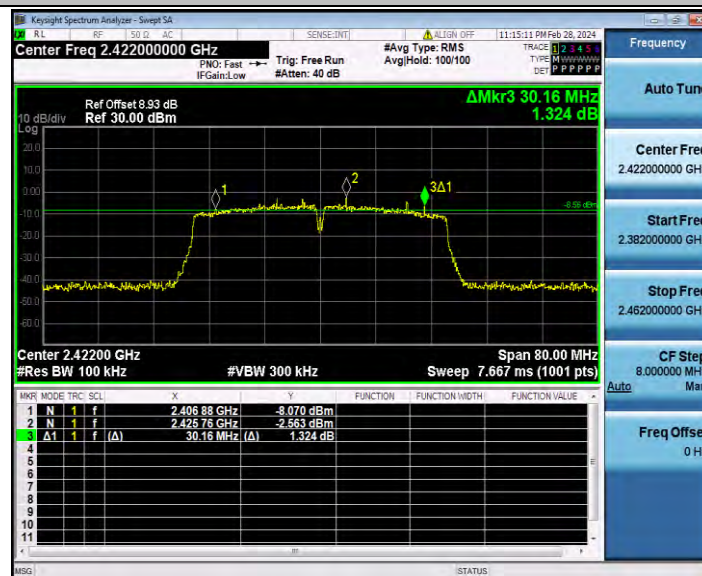
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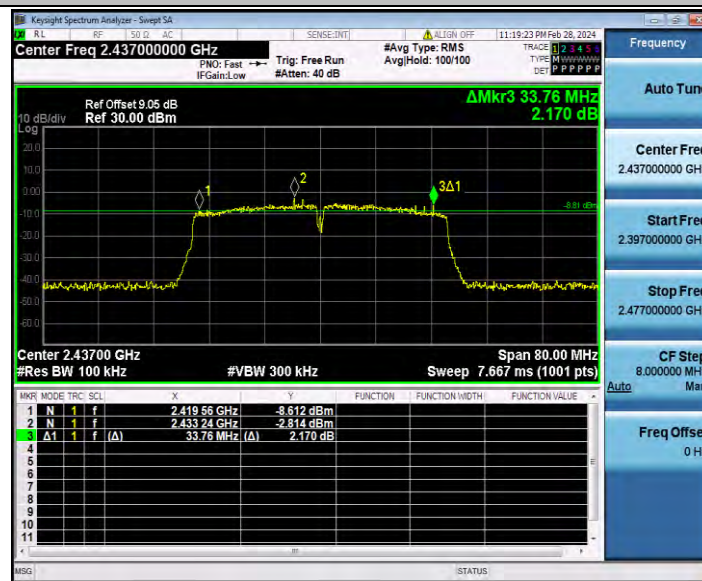
11N20SISO_Ant1_2462



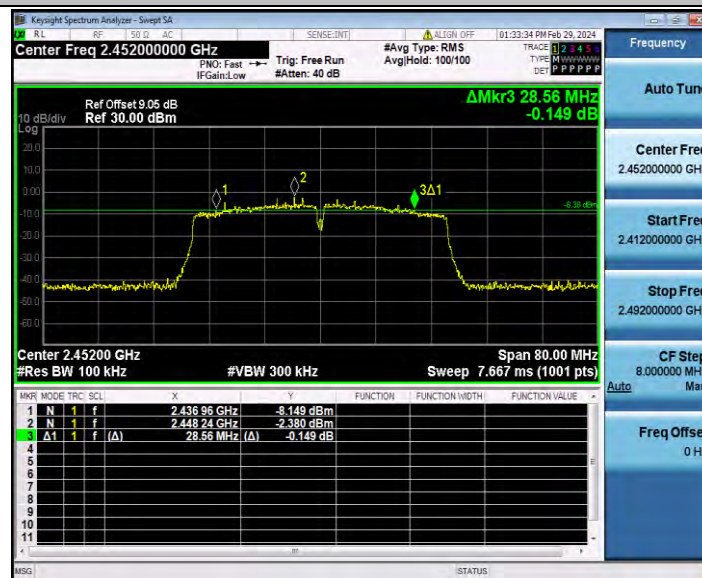
11N40SISO_Ant1_2422



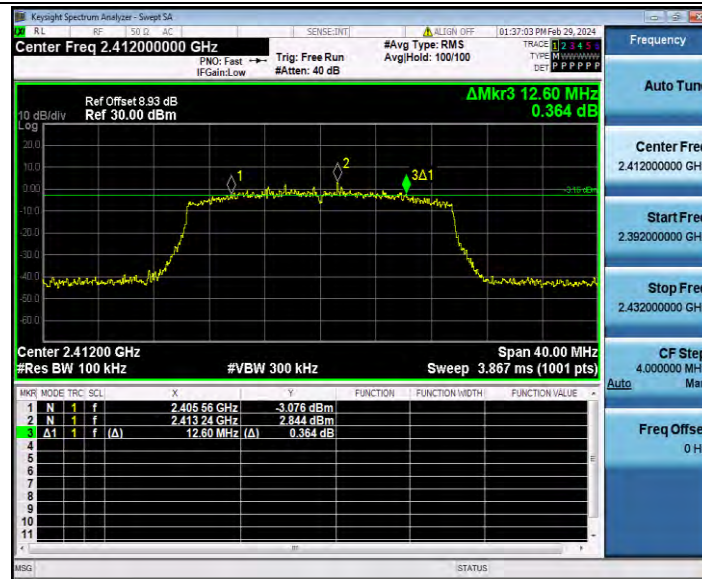
11N40SISO_Ant1_2437



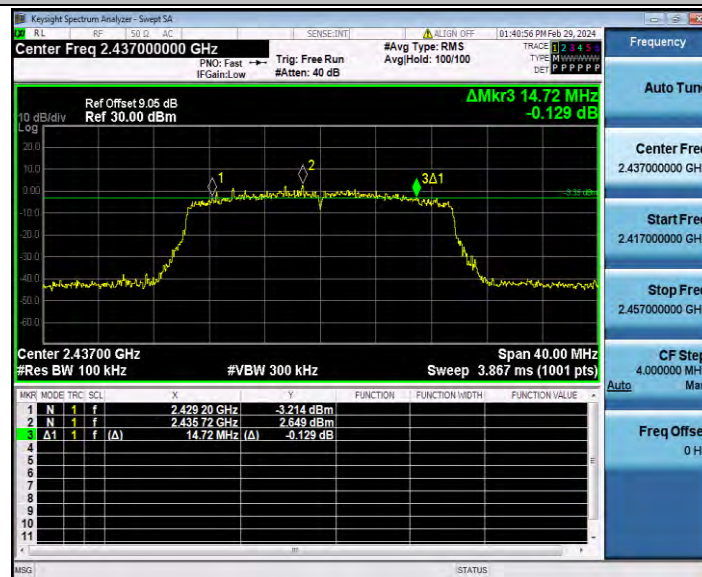
11N40SISO_Ant1_2452



11AX20SISO_Ant1_2412



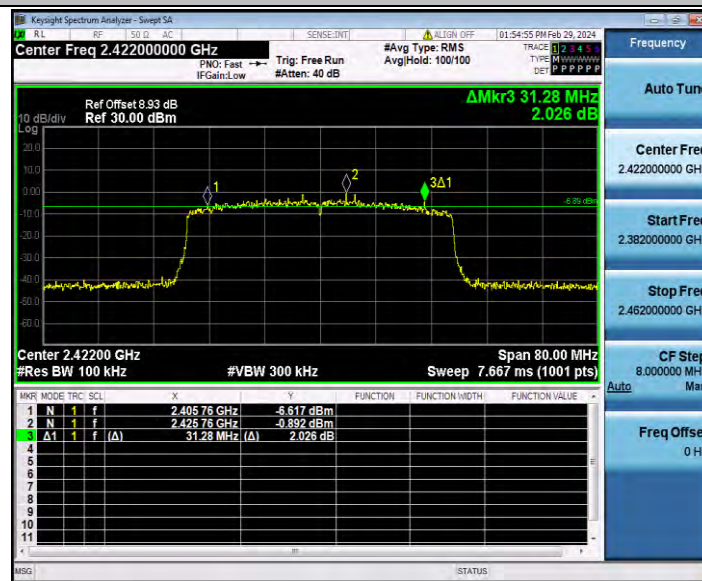
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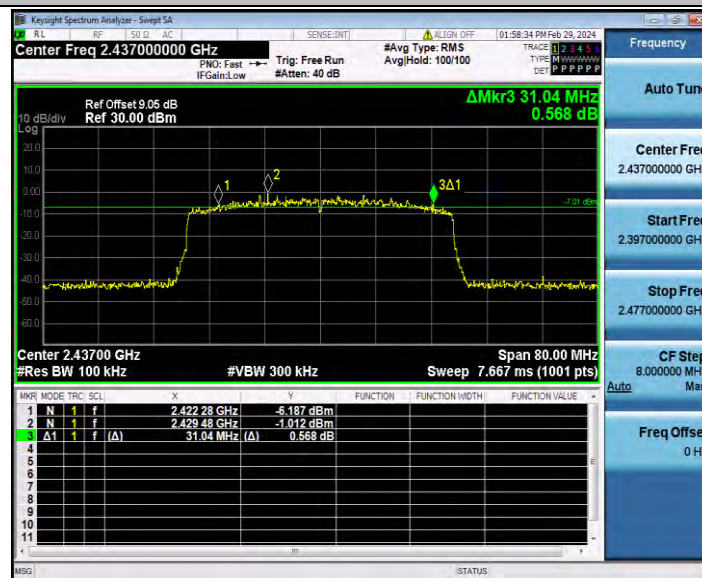
11AX20SISO_Ant1_2462



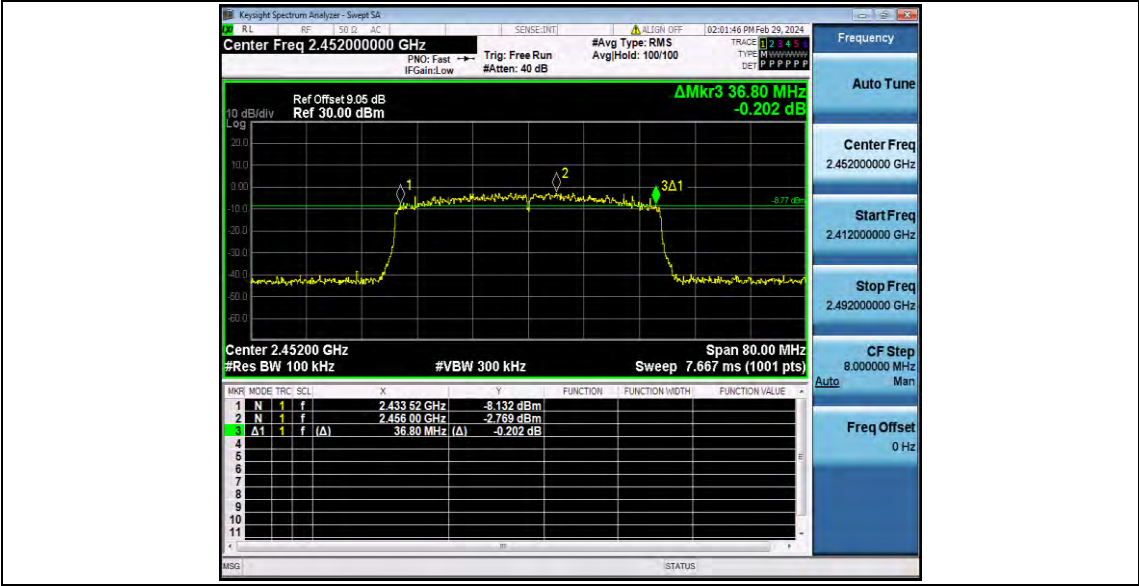
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



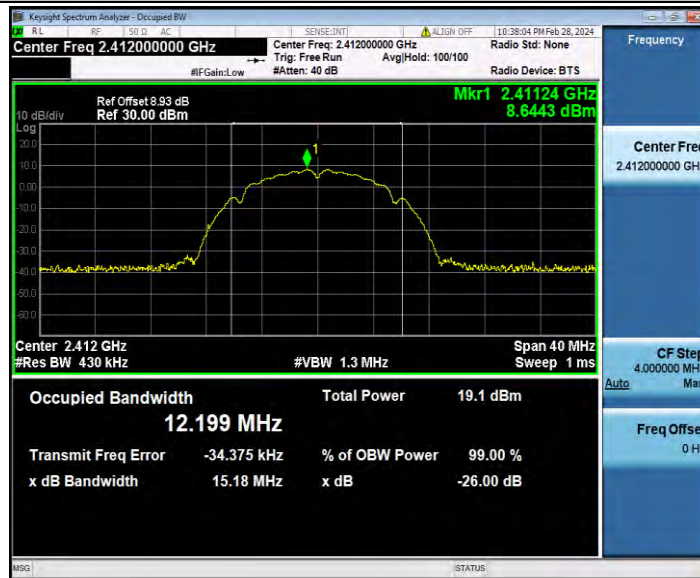
Appendix C.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.199	2405.8661	2418.0651	---	---
		2437	12.177	2430.9132	2443.0902	---	---
		2462	12.162	2455.8975	2468.0595	---	---
11G	Ant1	2412	16.668	2403.6055	2420.2735	---	---
		2437	16.740	2428.6164	2445.3564	---	---
		2462	16.719	2453.6531	2470.3721	---	---
11N20SISO	Ant1	2412	17.766	2403.0751	2420.8411	---	---
		2437	17.686	2428.1767	2445.8627	---	---
		2462	17.659	2453.1530	2470.8120	---	---
11N40SISO	Ant1	2422	35.938	2403.9890	2439.9270	---	---
		2437	35.982	2419.0104	2454.9924	---	---
		2452	35.828	2434.0465	2469.8745	---	---
11AX20SISO	Ant1	2412	18.771	2402.5753	2421.3463	---	---
		2437	18.760	2427.5994	2446.3594	---	---
		2462	18.726	2452.5918	2471.3178	---	---
11AX40SISO	Ant1	2422	37.248	2403.3471	2440.5951	---	---
		2437	37.326	2418.2784	2455.6044	---	---
		2452	37.210	2433.3483	2470.5583	---	---

Test Graphs

11B_Ant1_2412



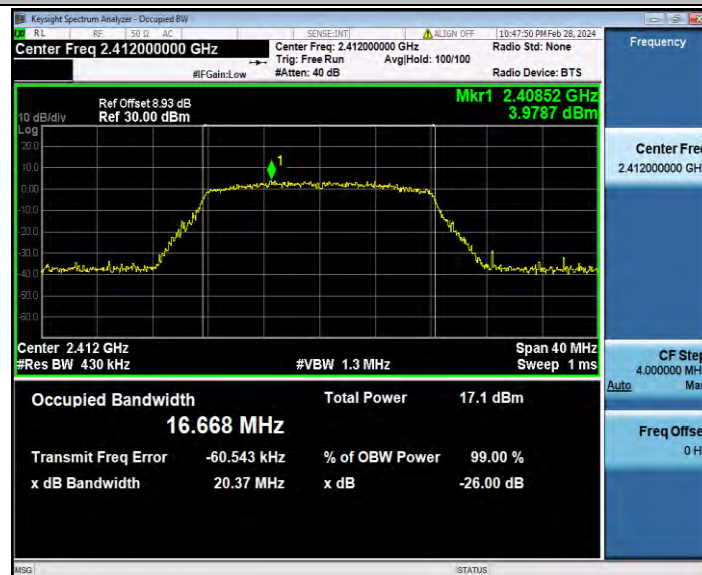
11B_Ant1_2437



11B_Ant1_2462



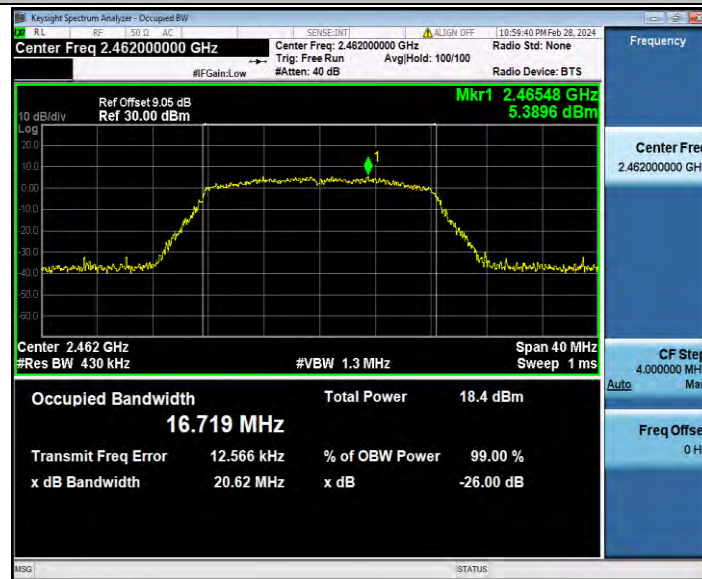
11G_Ant1_2412



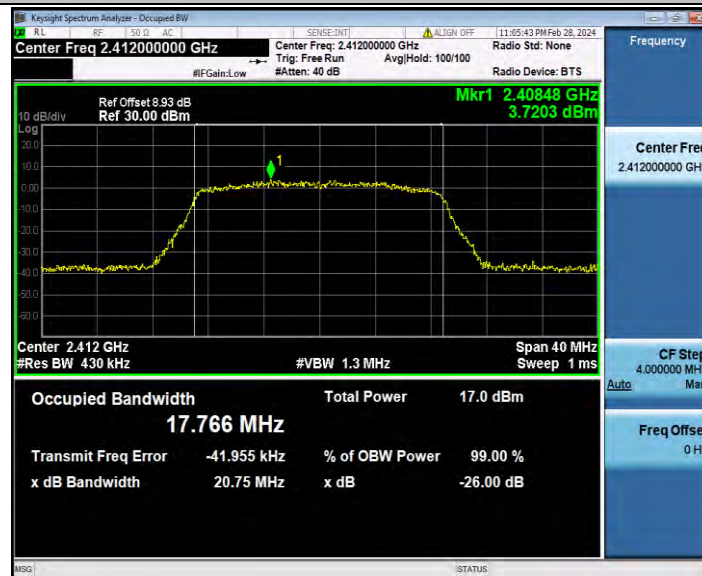
11G_Ant1_2437



11G_Ant1_2462



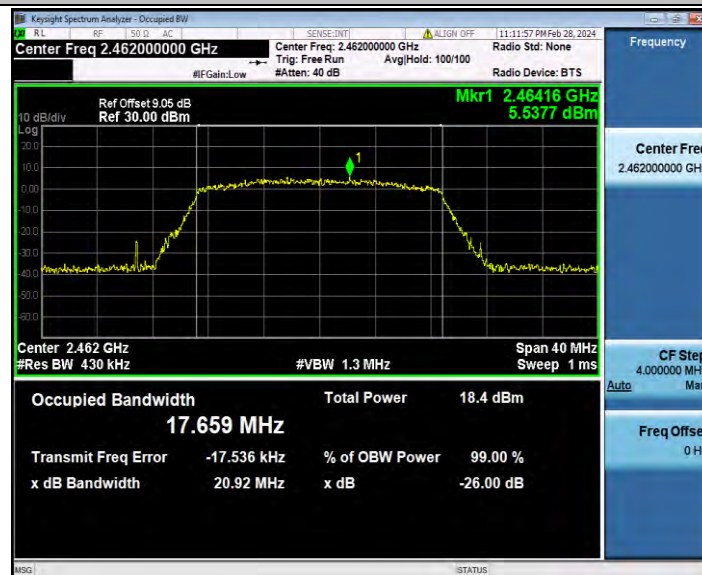
11N20SISO_Ant1_2412



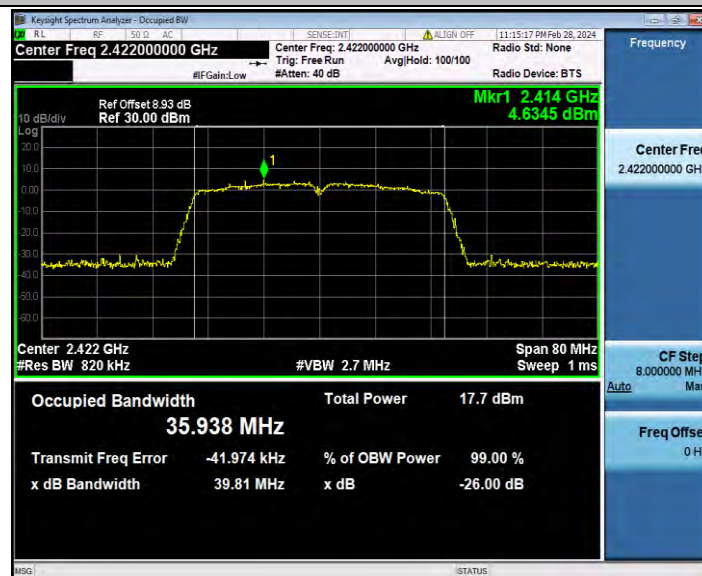
11N20SISO_Ant1_2437



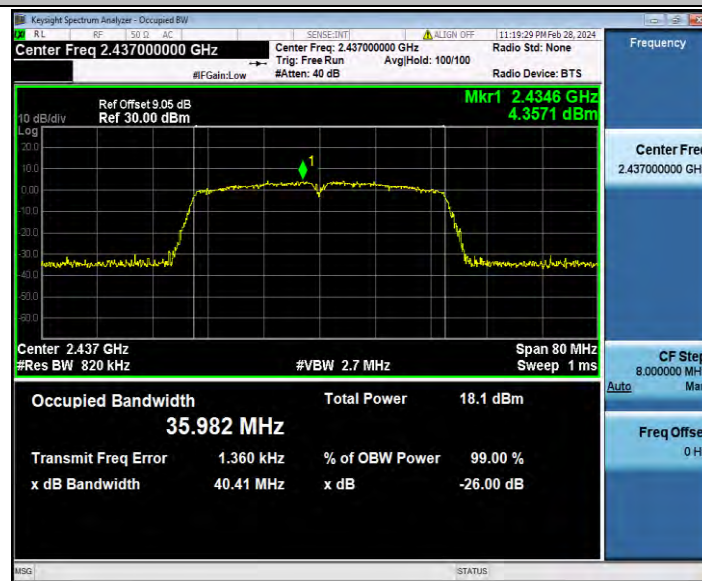
11N20SISO_Ant1_2462



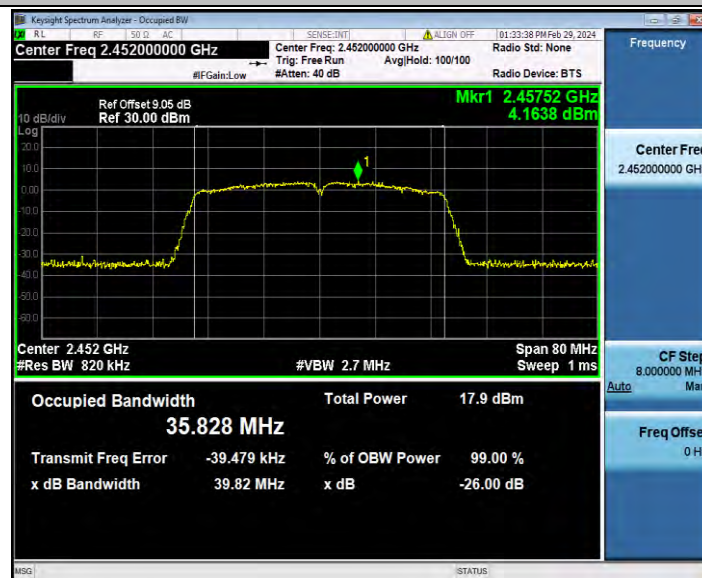
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



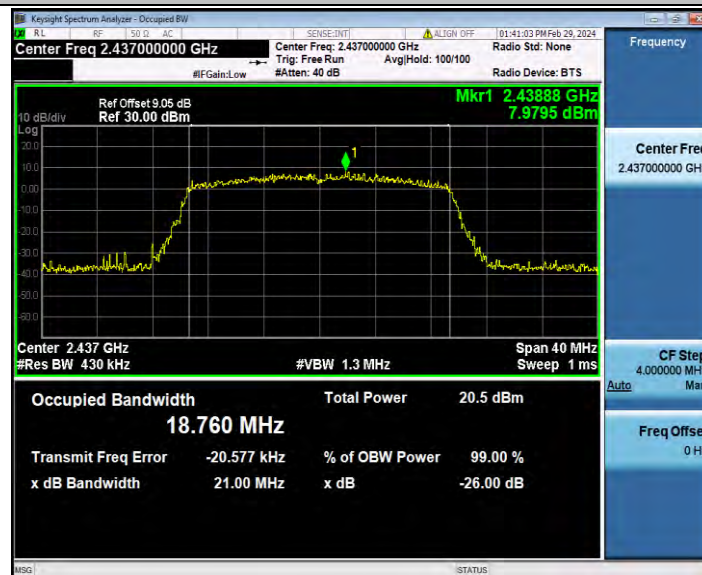
11N40SISO_Ant1_2452



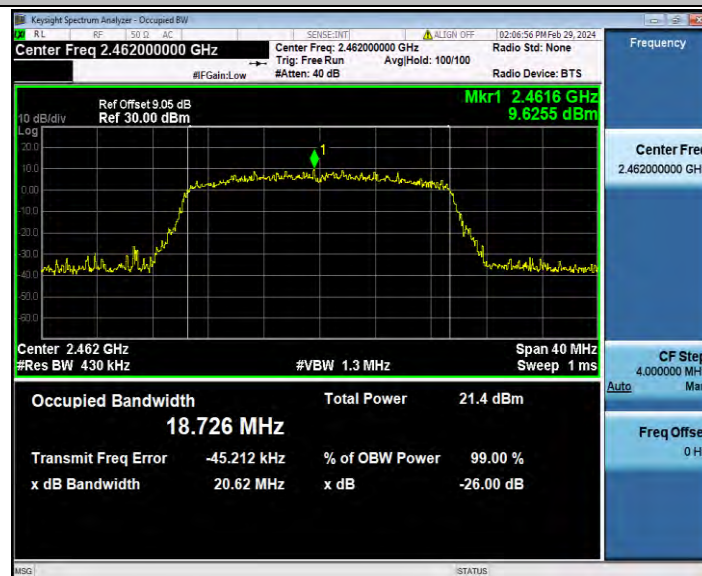
11AX20SISO_Ant1_2412



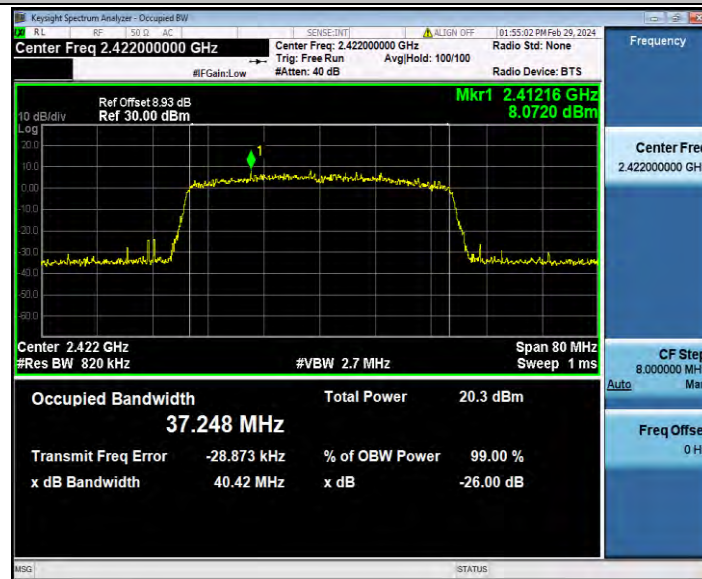
11AX20SISO_Ant1_2437



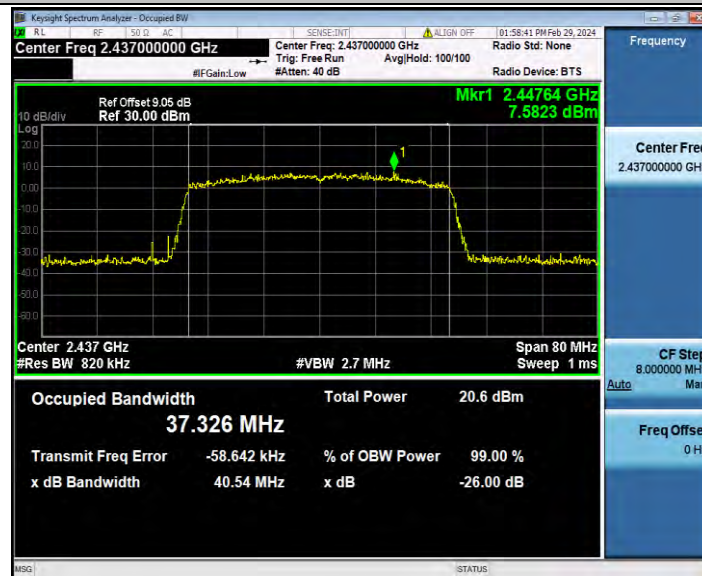
11AX20SISO_Ant1_2462



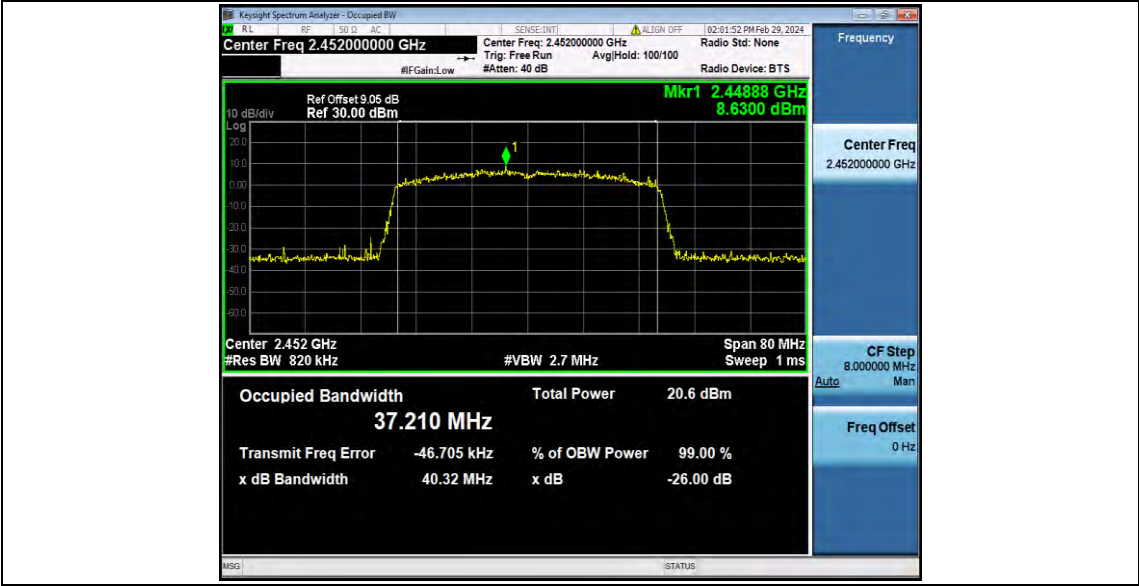
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



Appendix C.3: Maximum conducted output power

Test Result

Test Mode	Antenna	Frequency [MHz]	PK power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	18.92	0	0	18.92	≤30.00	PASS
		2437	18.78	0	0	18.78	≤30.00	PASS
		2462	19.10	0	0	19.10	≤30.00	PASS
11G	Ant1	2412	18.20	0	0	18.20	≤30.00	PASS
		2437	18.80	0	0	18.80	≤30.00	PASS
		2462	19.70	0	0	19.70	≤30.00	PASS
11N20 SISO	Ant1	2412	18.27	0	0	18.27	≤30.00	PASS
		2437	18.68	0	0	18.68	≤30.00	PASS
		2462	19.50	0	0	19.50	≤30.00	PASS
11N40 SISO	Ant1	2422	18.02	0	0	18.02	≤30.00	PASS
		2437	18.41	0	0	18.41	≤30.00	PASS
		2452	18.26	0	0	18.26	≤30.00	PASS
11AX20 SISO	Ant1	2412	20.54	0	0	20.54	≤30.00	PASS
		2437	21.20	0	0	21.20	≤30.00	PASS
		2462	21.95	0	0	21.95	≤30.00	PASS
11AX40 SISO	Ant1	2422	20.52	0	0	20.52	≤30.00	PASS
		2437	20.98	0	0	20.98	≤30.00	PASS
		2452	20.71	0	0	20.71	≤30.00	PASS

Note:

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

Appendix C.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-6.22	≤8.00	PASS
		2437	-7.07	≤8.00	PASS
		2462	-7.25	≤8.00	PASS
11G	Ant1	2412	-14.28	≤8.00	PASS
		2437	-13.28	≤8.00	PASS
		2462	-11.62	≤8.00	PASS
11N20SISO	Ant1	2412	-14.65	≤8.00	PASS
		2437	-13.70	≤8.00	PASS
		2462	-12.61	≤8.00	PASS
11N40SISO	Ant1	2422	-15.49	≤8.00	PASS
		2437	-15.79	≤8.00	PASS
		2452	-16.47	≤8.00	PASS
11AX20SISO	Ant1	2412	-12.78	≤8.00	PASS
		2437	-12.94	≤8.00	PASS
		2462	-10.77	≤8.00	PASS
11AX40SISO	Ant1	2422	-14.20	≤8.00	PASS
		2437	-13.58	≤8.00	PASS
		2452	-13.47	≤8.00	PASS

Note:

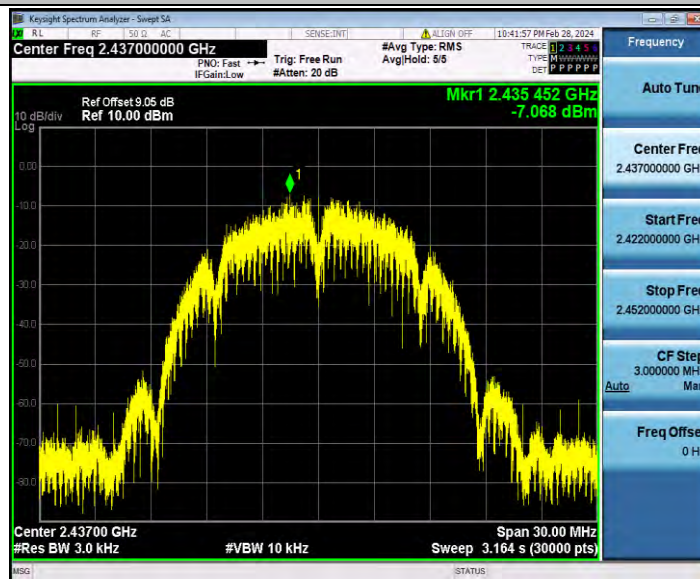
1. The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

11B_Ant1_2412



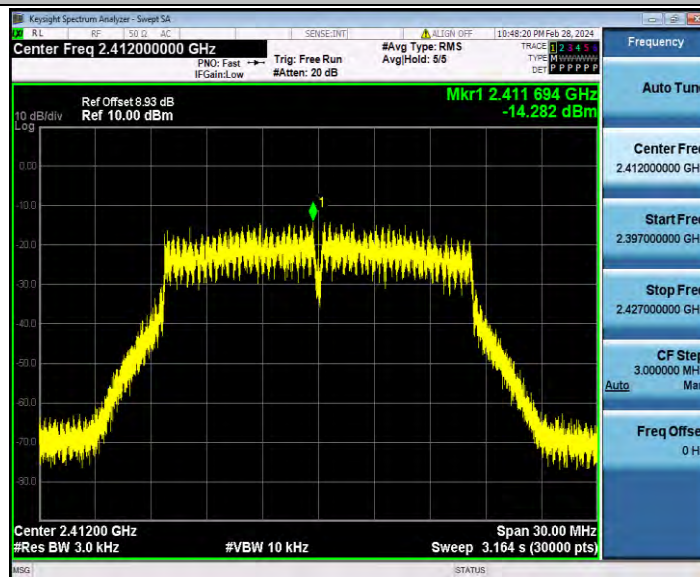
11B_Ant1_2437



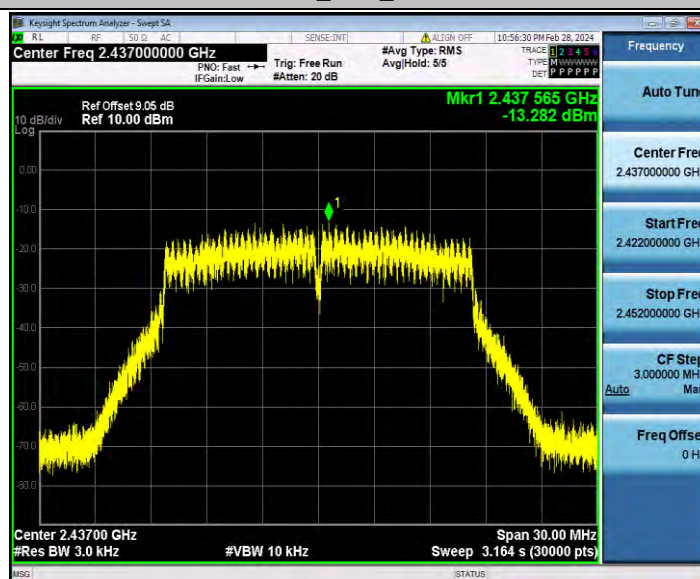
11B_Ant1_2462



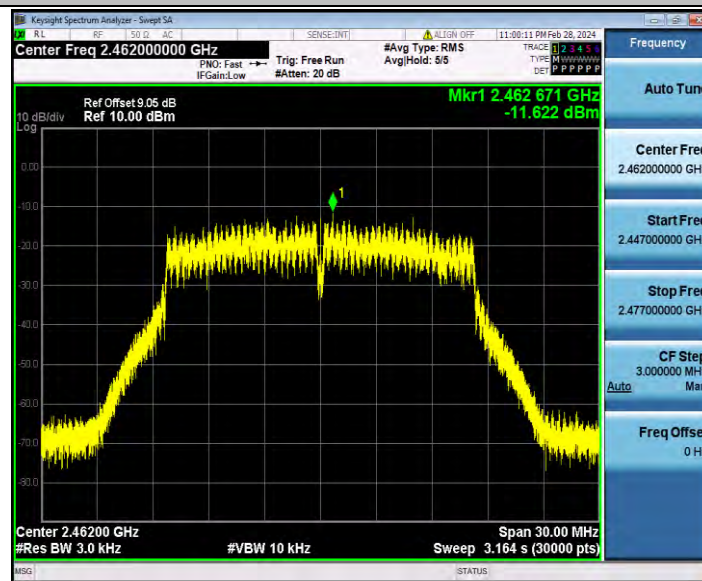
11G_Ant1_2412



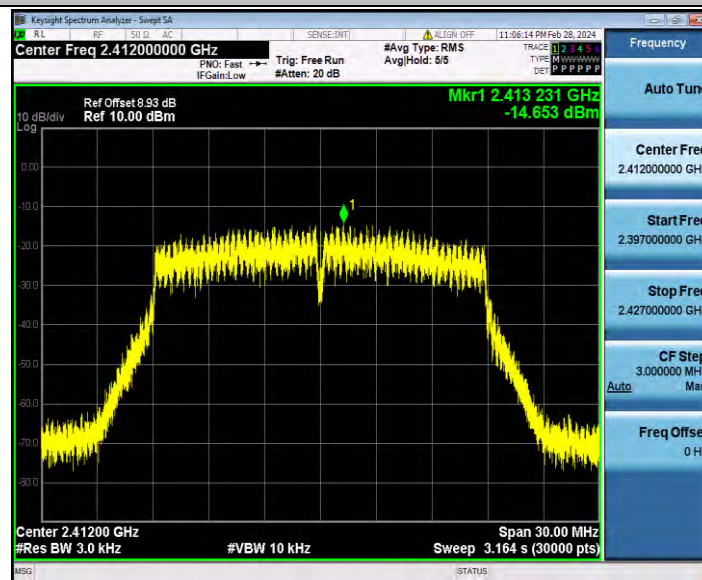
11G_Ant1_2437



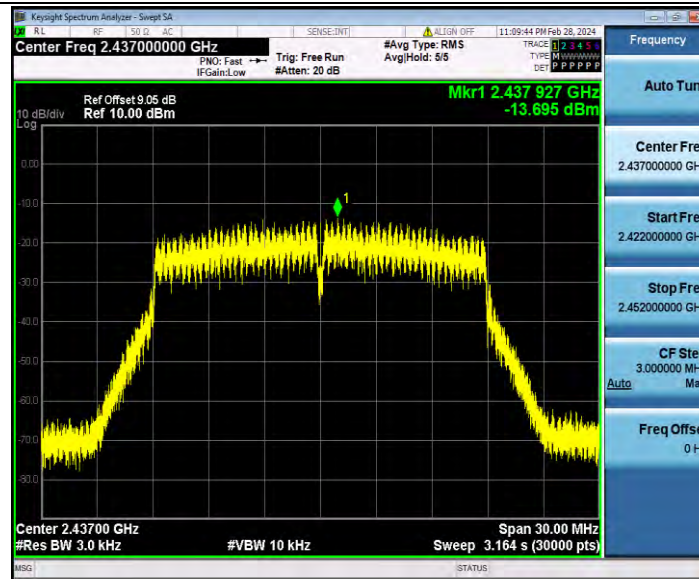
11G_Ant1_2462



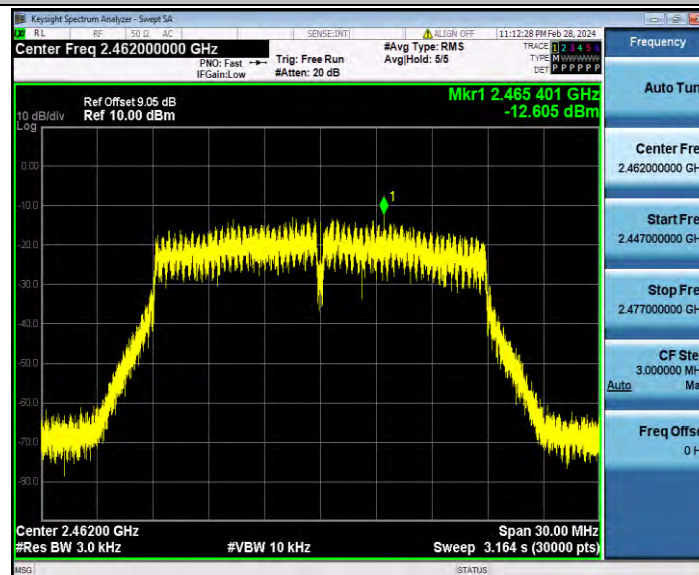
11N20SISO_Ant1_2412



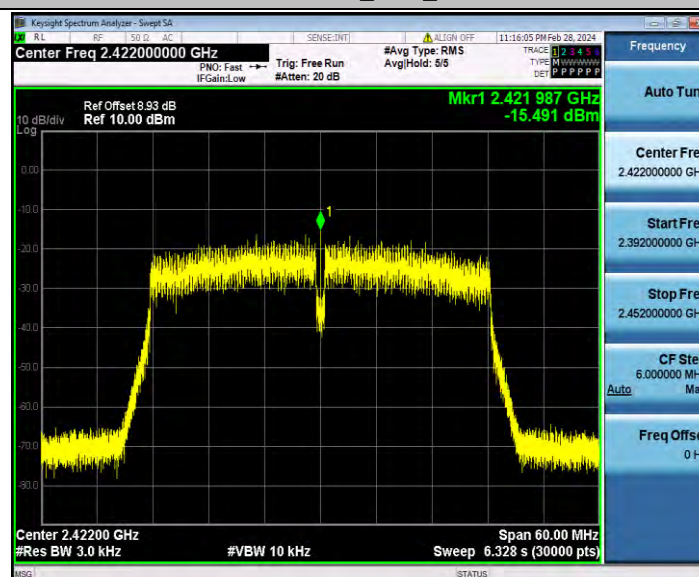
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



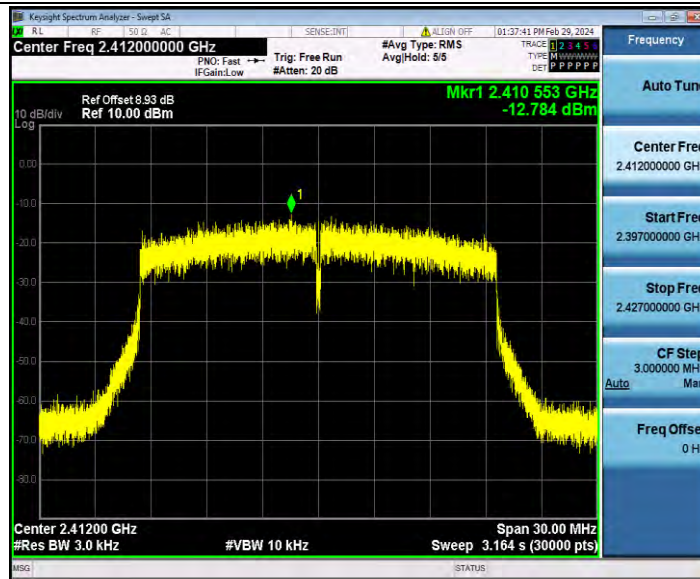
11N40SISO_Ant1_2437



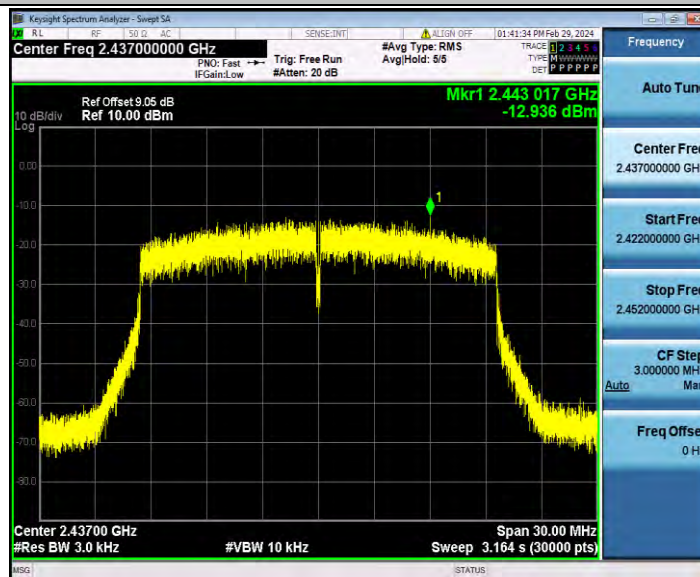
11N40SISO_Ant1_2452



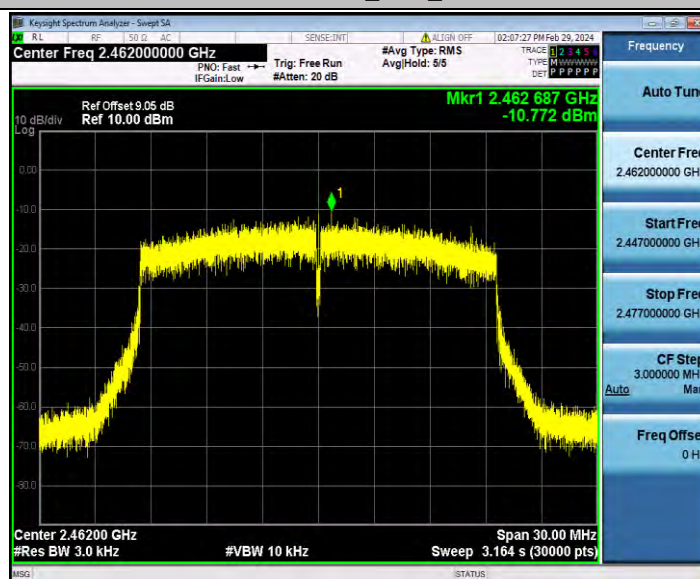
11AX20SISO_Ant1_2412



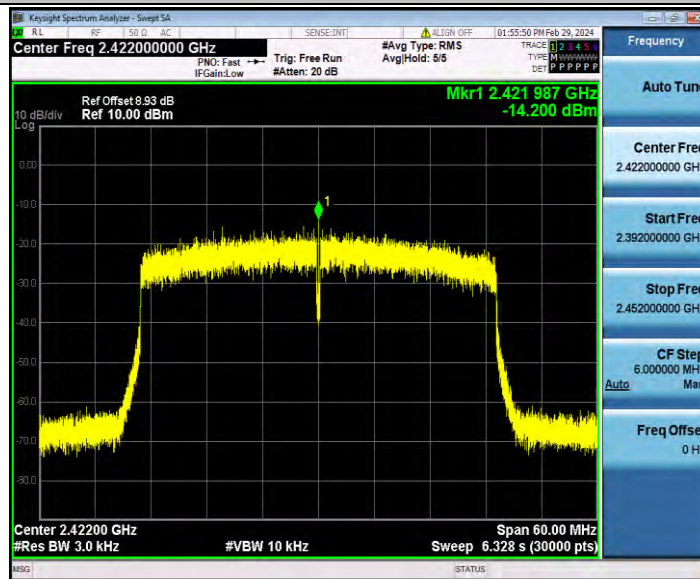
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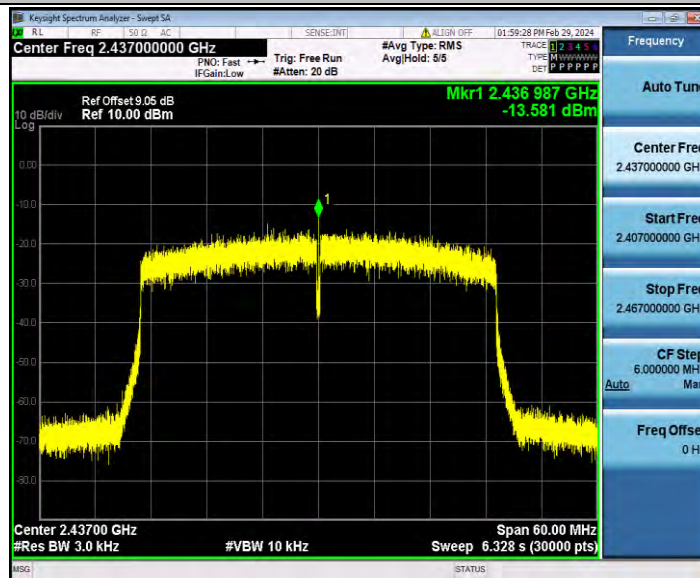
11AX20SISO_Ant1_2462



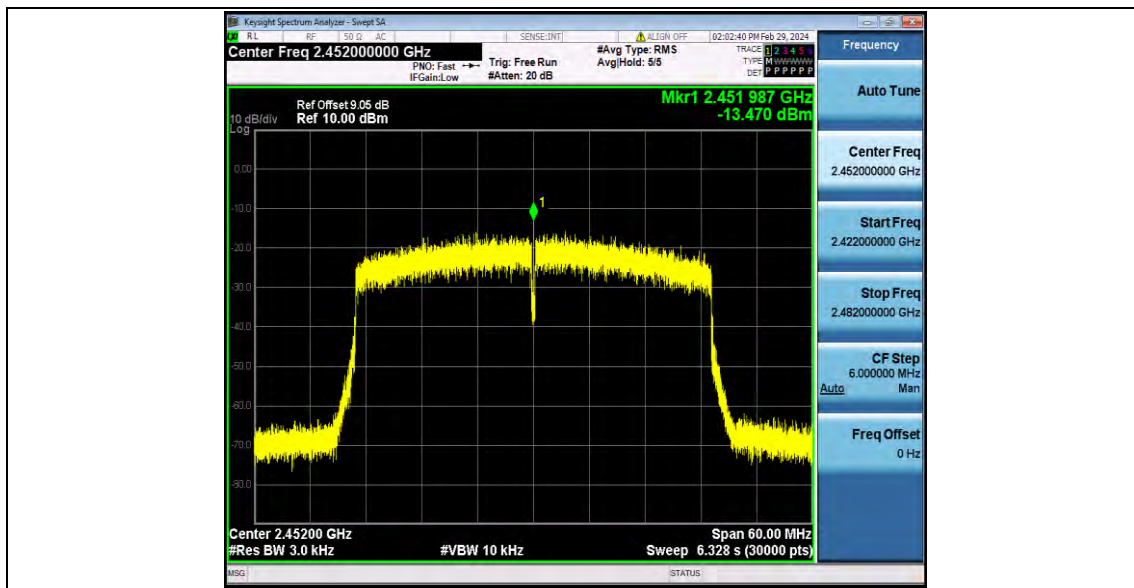
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452

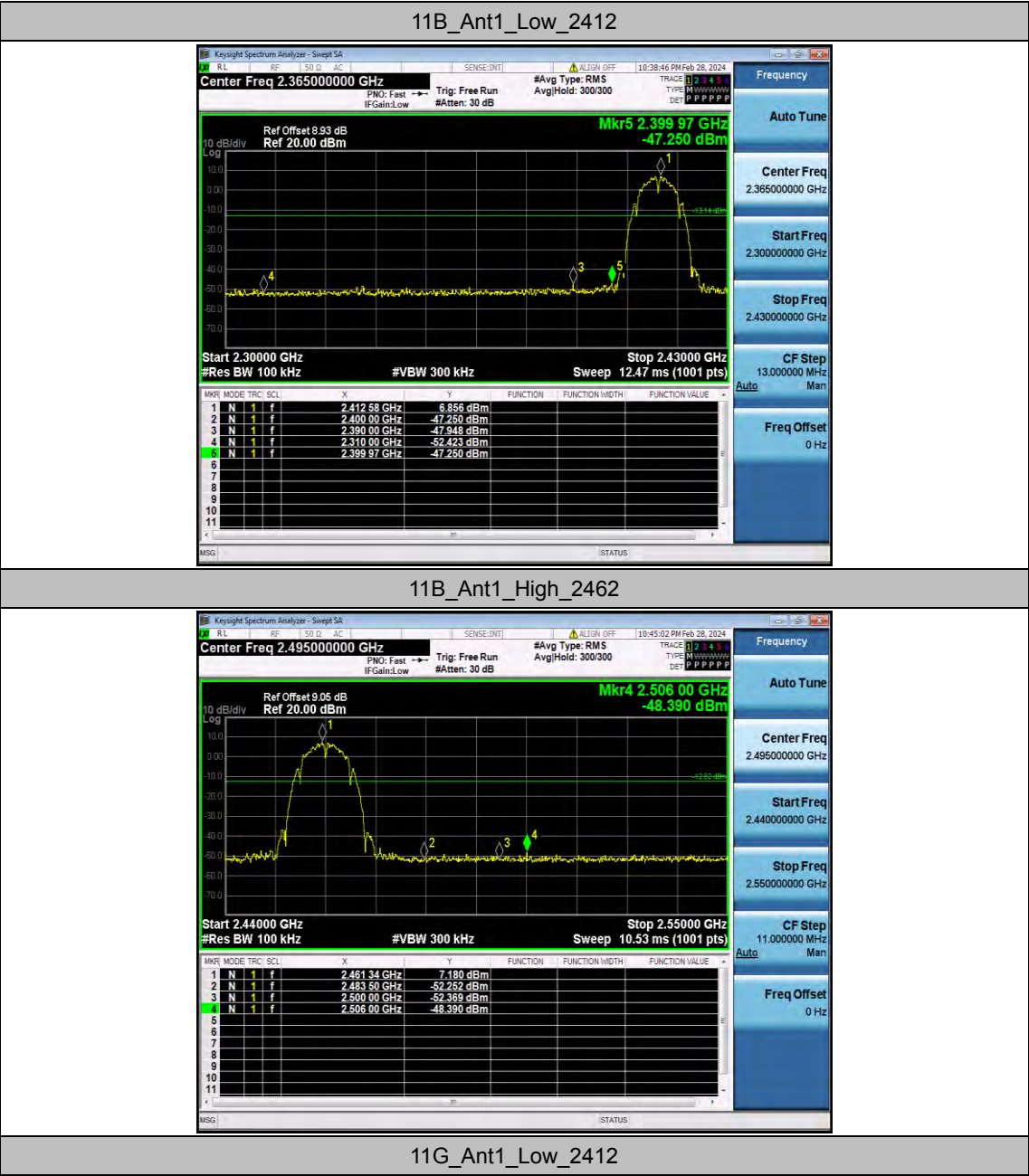


Appendix C.5: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	Low	2412	6.86	-47.25	≤ -13.14	PASS
		High	2462	7.18	-48.39	≤ -12.82	PASS
11G	Ant1	Low	2412	0.05	-38.8	≤ -19.95	PASS
		High	2462	0.97	-46.38	≤ -19.03	PASS
11N20 SISO	Ant1	Low	2412	0.76	-38.76	≤ -19.24	PASS
		High	2462	1.61	-47.26	≤ -18.39	PASS
11N40 SISO	Ant1	Low	2422	-2.73	-43.77	≤ -22.73	PASS
		High	2452	-2.38	-48.34	≤ -22.38	PASS
11AX20 SISO	Ant1	Low	2412	1.97	-37.87	≤ -18.03	PASS
		High	2462	3.09	-44.72	≤ -16.91	PASS
11AX40 SISO	Ant1	Low	2422	-1.05	-40.64	≤ -21.05	PASS
		High	2452	-0.23	-46.93	≤ -20.23	PASS

Test Graphs



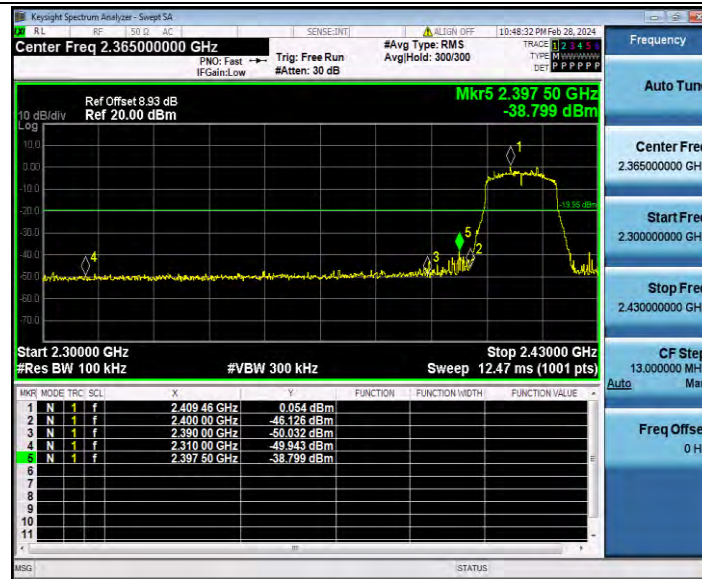
11B_Ant1_High_2462

Frequency

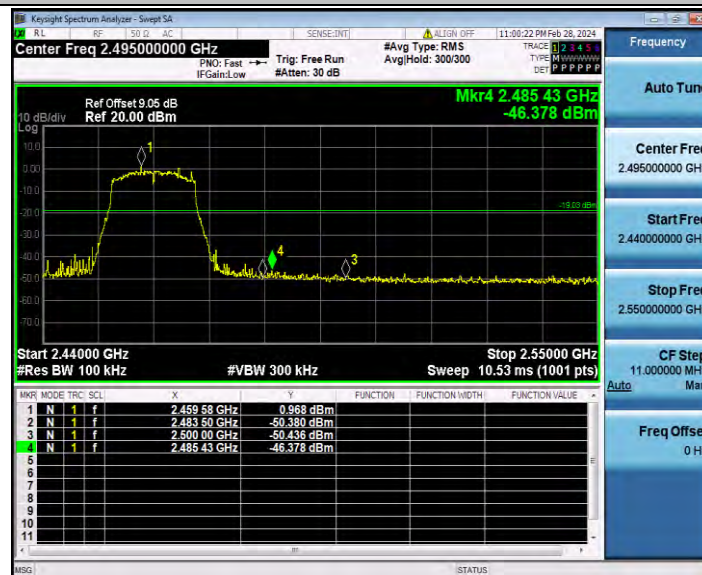
Auto Tune

Center Freq
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2.440000000 GHzStop Freq
2.550000000 GHzCF Step
11.000000 MHz
Auto ManFreq Offset
0 Hz

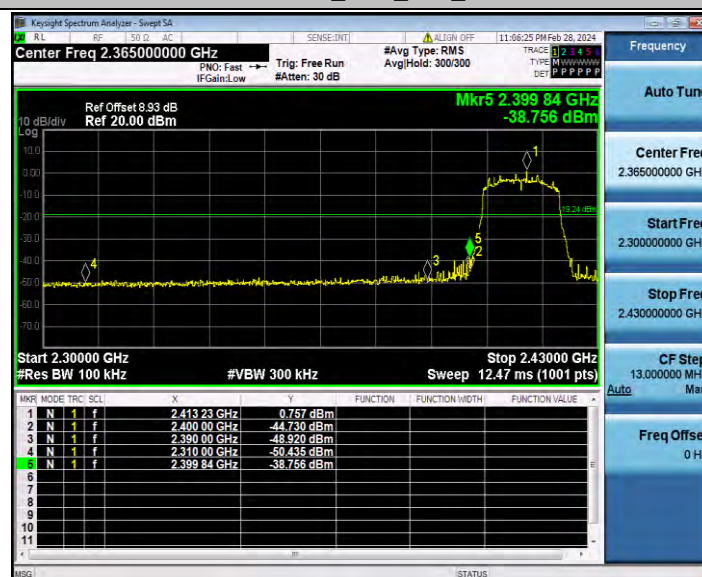
11G_Ant1_Low_2412



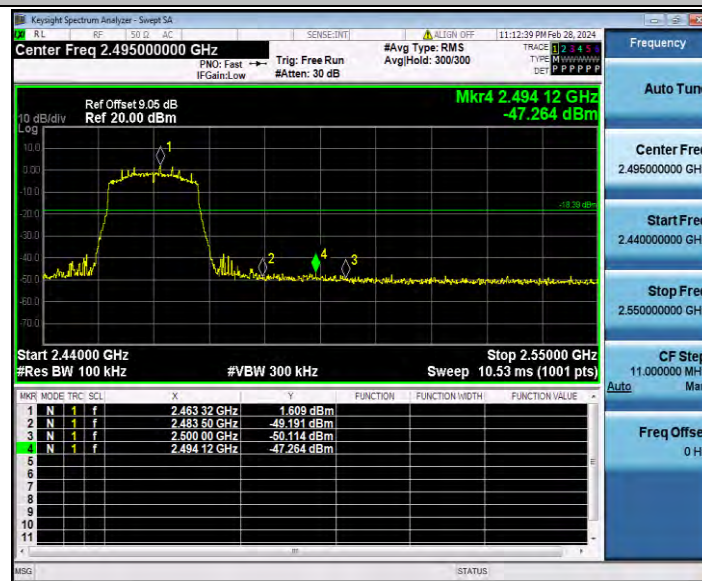
11G_Ant1_High_2462



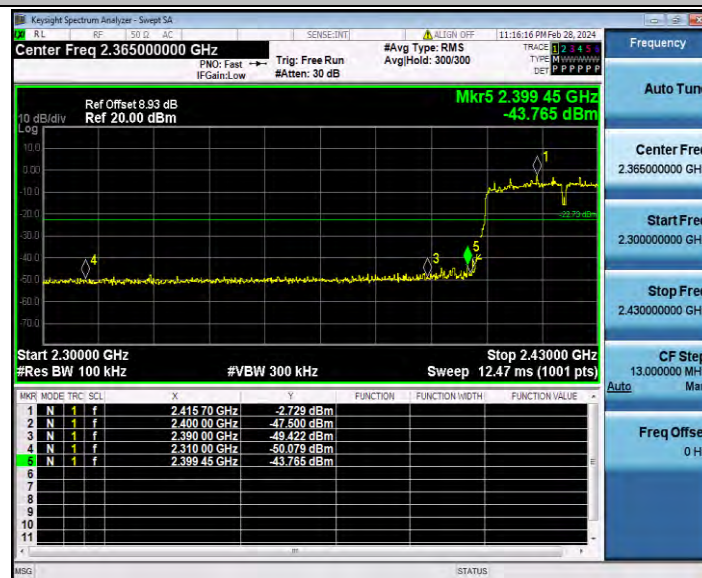
11N20SISO_Ant1_Low_2412



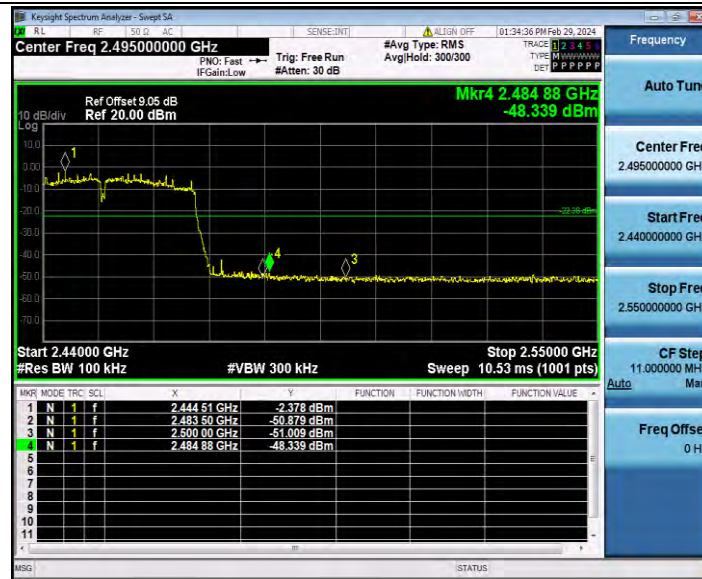
11N20SISO_Ant1_High_2462



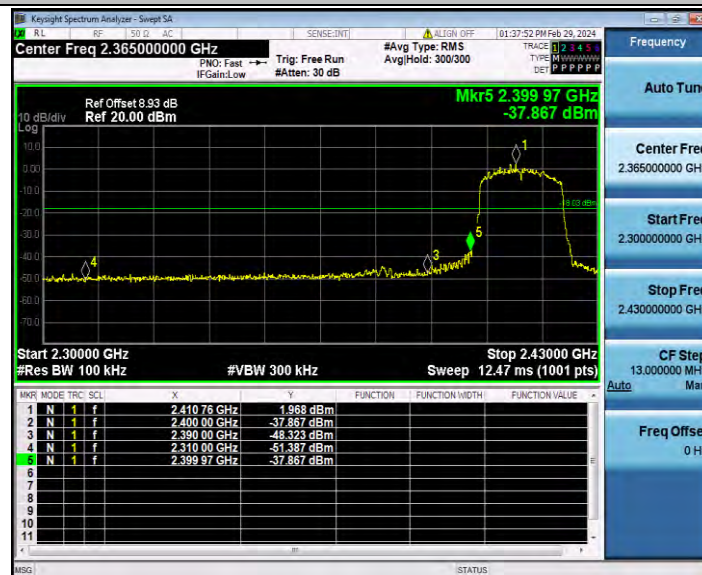
11N40SISO_Ant1_Low_2422



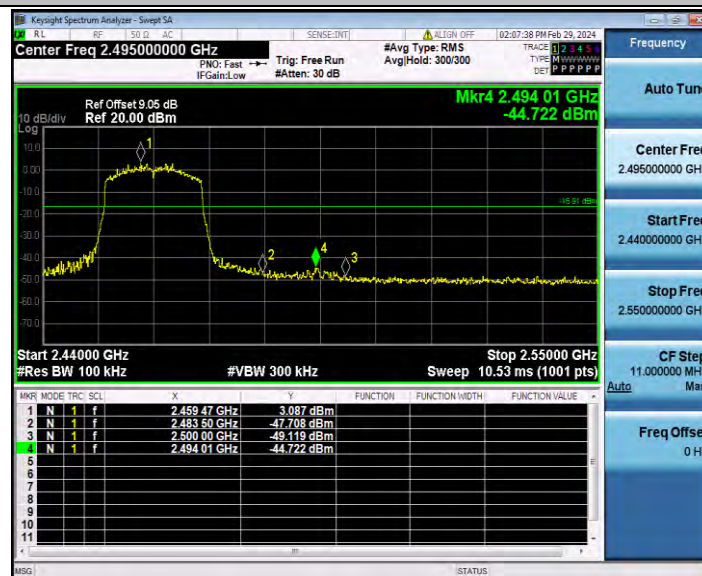
11N40SISO_Ant1_High_2452



11AX20SISO_Ant1_Low_2412



11AX20SISO_Ant1_High_2462



11AX40SISO_Ant1_Low_2422



11AX40SISO_Ant1_High_2452

