

Case No. : <u>CTA24111401803</u>	
Ambient Condition: <u>23</u> °C, <u>54</u> %RH,	
Test Date: <u>2024.9.12</u>	Test Engineer: <u>Lushan Kong</u>

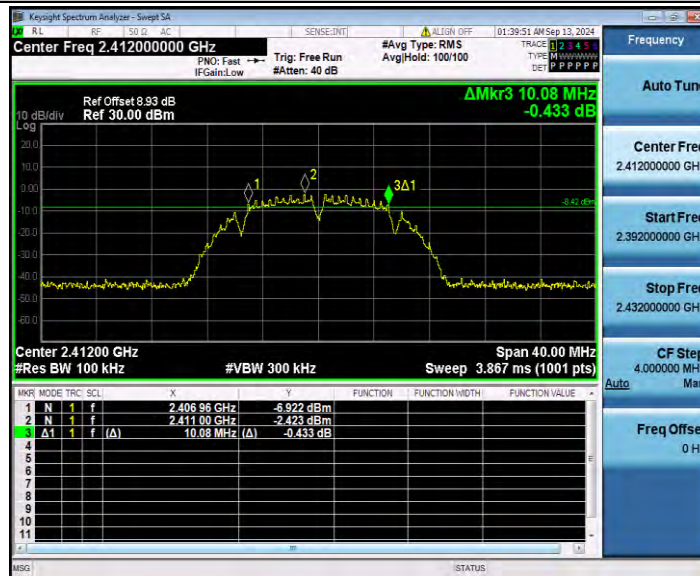
Appendix C.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.080	2406.960	2417.040	0.5	PASS
		2437	10.080	2431.960	2442.040	0.5	PASS
		2462	10.080	2456.960	2467.040	0.5	PASS
11G	Ant1	2412	15.040	2404.520	2419.560	0.5	PASS
		2437	13.880	2429.440	2443.320	0.5	PASS
		2462	13.520	2455.760	2469.280	0.5	PASS
11N20SISO	Ant1	2412	17.560	2403.240	2420.800	0.5	PASS
		2437	17.600	2428.200	2445.800	0.5	PASS
		2462	15.640	2453.880	2469.520	0.5	PASS
11N40SISO	Ant1	2422	35.360	2404.800	2440.160	0.5	PASS
		2437	30.400	2424.040	2454.440	0.5	PASS
		2452	26.480	2439.280	2465.760	0.5	PASS
11AX20SISO	Ant1	2412	14.080	2405.480	2419.560	0.5	PASS
		2437	14.600	2429.560	2444.160	0.5	PASS
		2462	15.040	2454.520	2469.560	0.5	PASS
11AX40SISO	Ant1	2422	33.280	2406.960	2440.240	0.5	PASS
		2437	35.120	2420.680	2455.800	0.5	PASS
		2452	29.600	2439.040	2468.640	0.5	PASS

Test Graphs

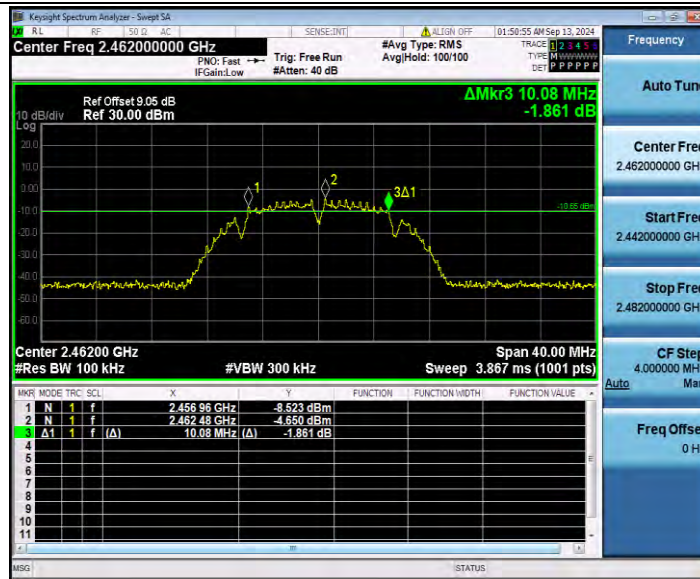
11B_Ant1_2412



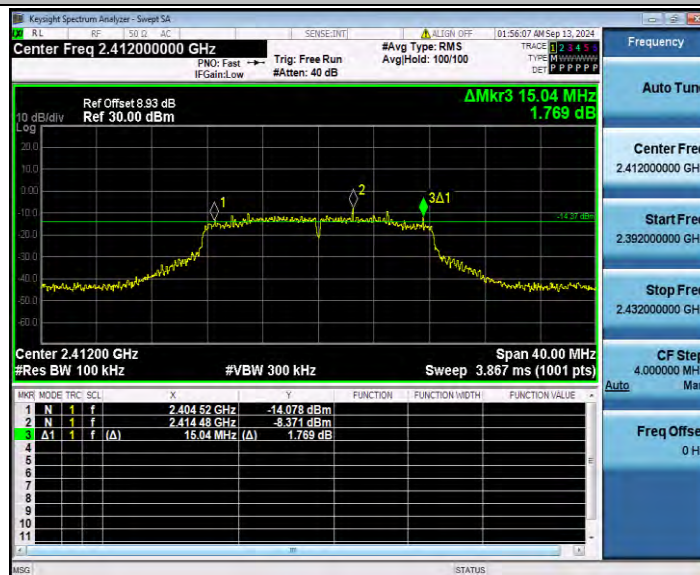
11B_Ant1_2437



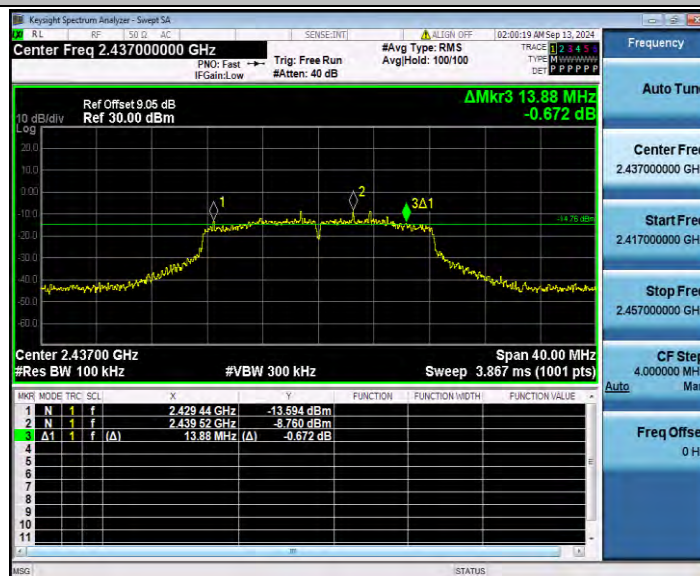
11B_Ant1_2462



11G_Ant1_2412



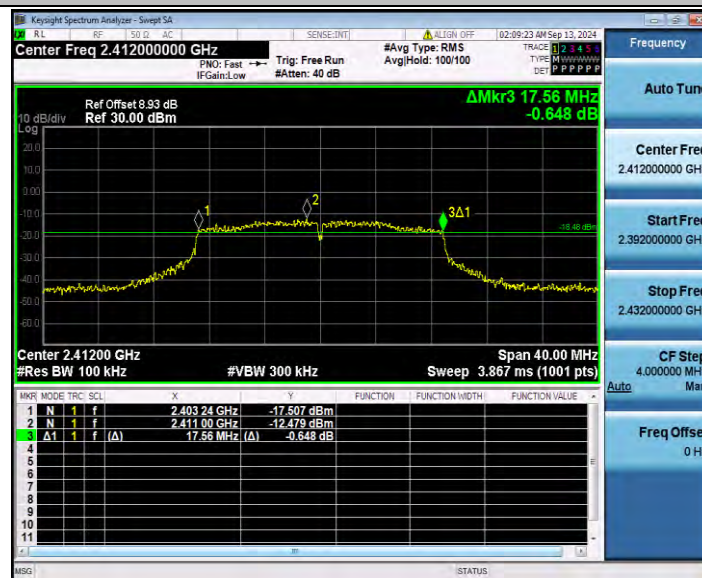
11G_Ant1_2437



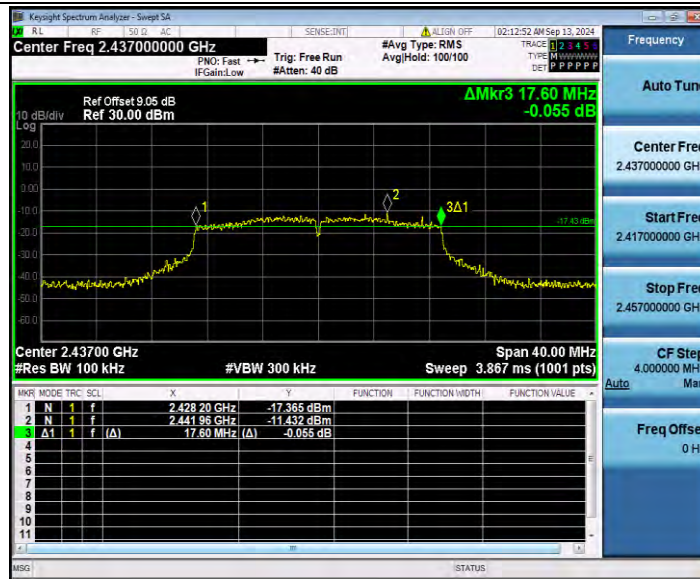
11G_Ant1_2462



11N20SISO_Ant1_2412



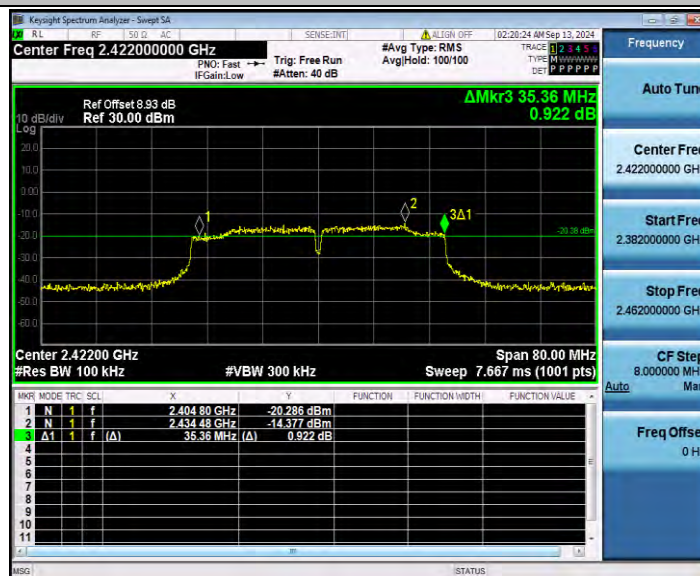
11N20SISO_Ant1_2437



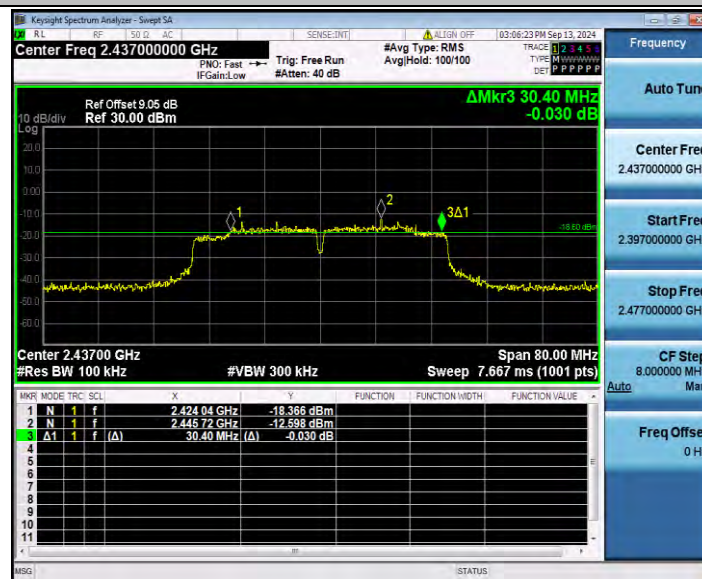
11N20SISO_Ant1_2462



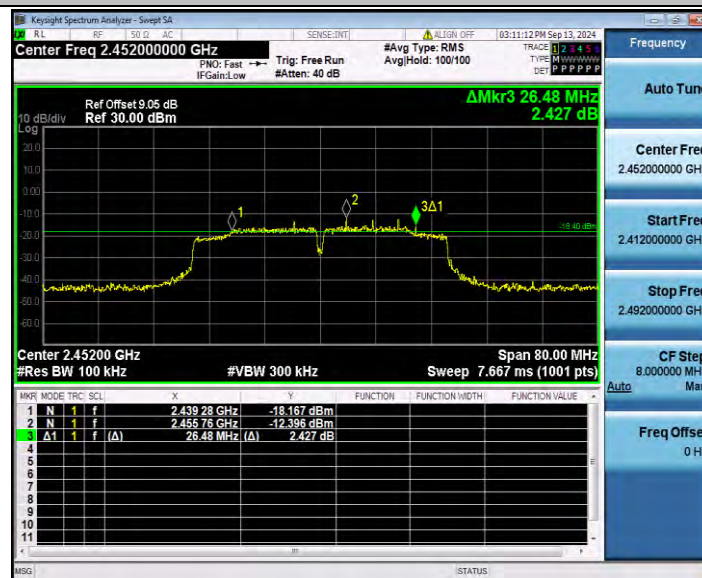
11N40SISO_Ant1_2422



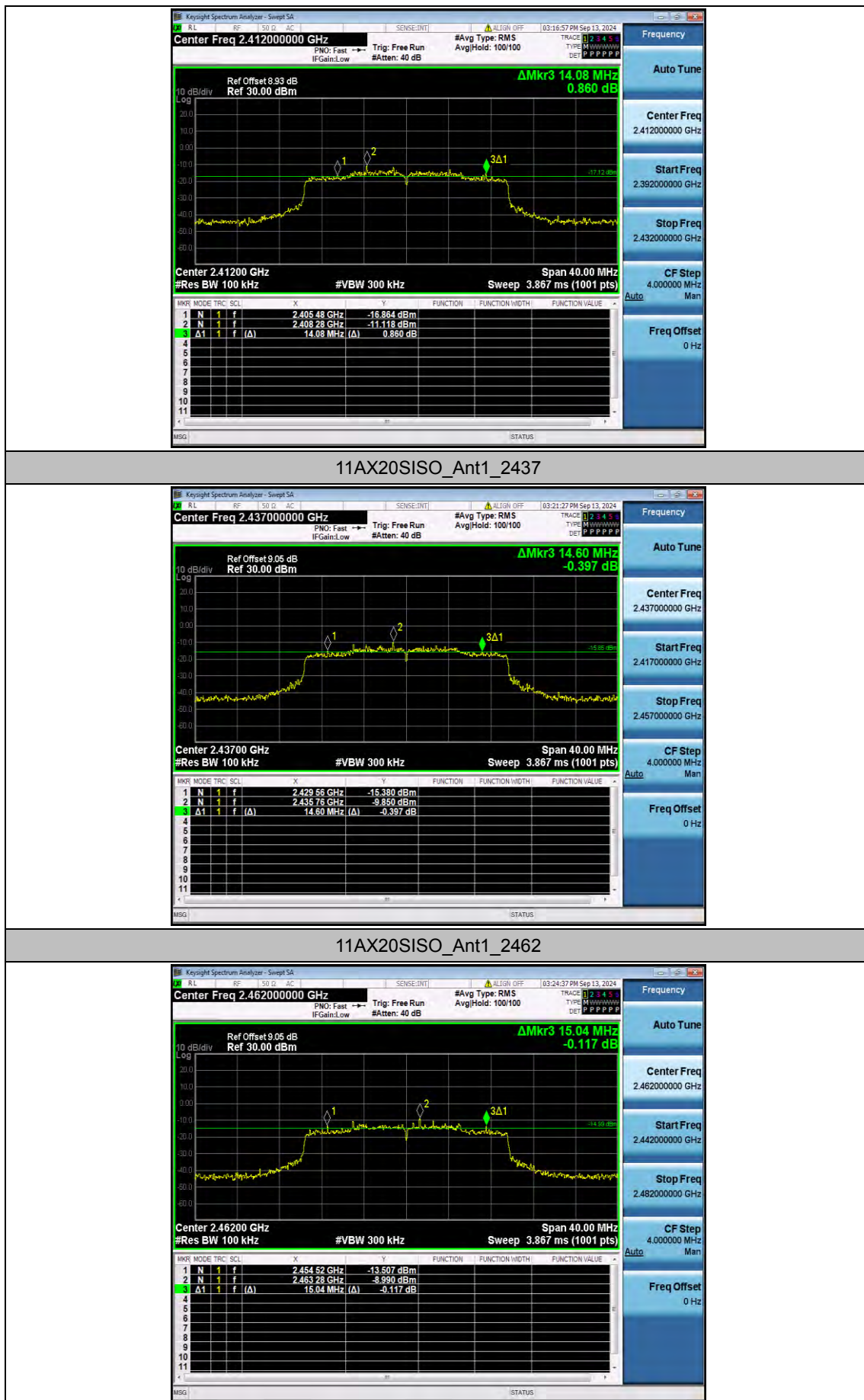
11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



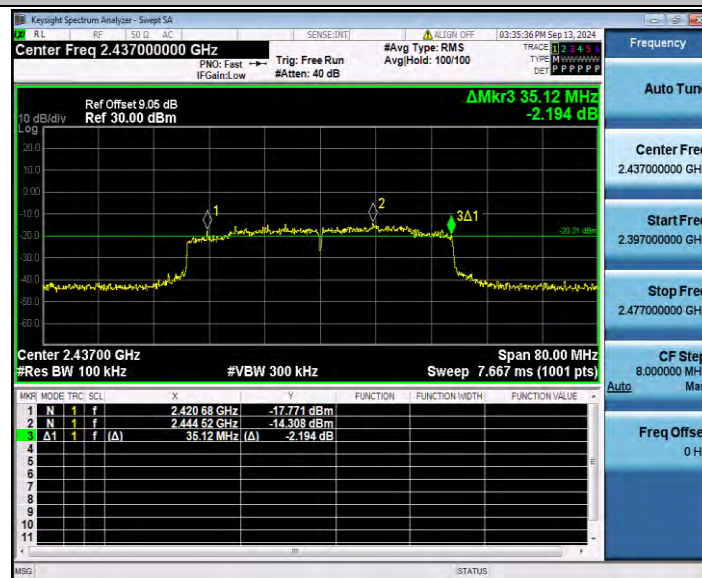
11AX20SISO_Ant1_2412



11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452

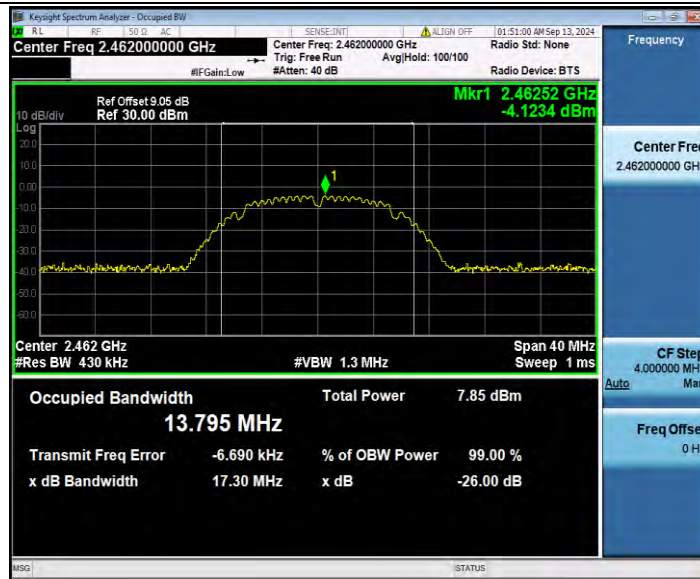
Appendix C.2: Occupied Channel Bandwidth

Test Result

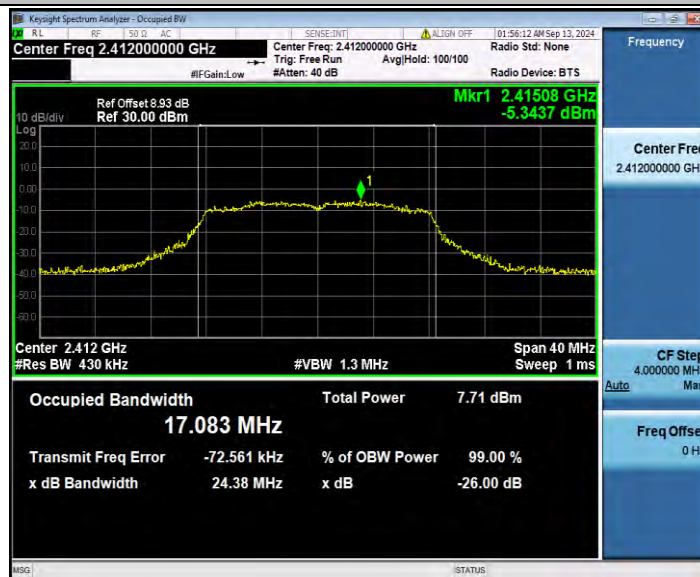
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.620	2405.1449	2418.7649	---	---
		2437	13.693	2430.1992	2443.8922	---	---
		2462	13.795	2455.0958	2468.8908	---	---
11G	Ant1	2412	17.083	2403.3859	2420.4689	---	---
		2437	17.028	2428.5120	2445.5400	---	---
		2462	16.994	2453.5097	2470.5037	---	---
11N20SISO	Ant1	2412	18.030	2402.9491	2420.9791	---	---
		2437	18.108	2427.9792	2446.0872	---	---
		2462	17.950	2453.0422	2470.9922	---	---
11N40SISO	Ant1	2422	36.430	2403.9431	2440.3731	---	---
		2437	36.304	2418.9880	2455.2920	---	---
		2452	36.300	2433.9380	2470.2380	---	---
11AX20SISO	Ant1	2412	19.005	2402.4797	2421.4847	---	---
		2437	19.047	2427.5017	2446.5487	---	---
		2462	18.970	2452.5256	2471.4956	---	---
11AX40SISO	Ant1	2422	37.701	2403.2730	2440.9740	---	---
		2437	37.823	2418.2079	2456.0309	---	---
		2452	37.616	2433.2899	2470.9059	---	---

Test Graphs





11G_Ant1_2412



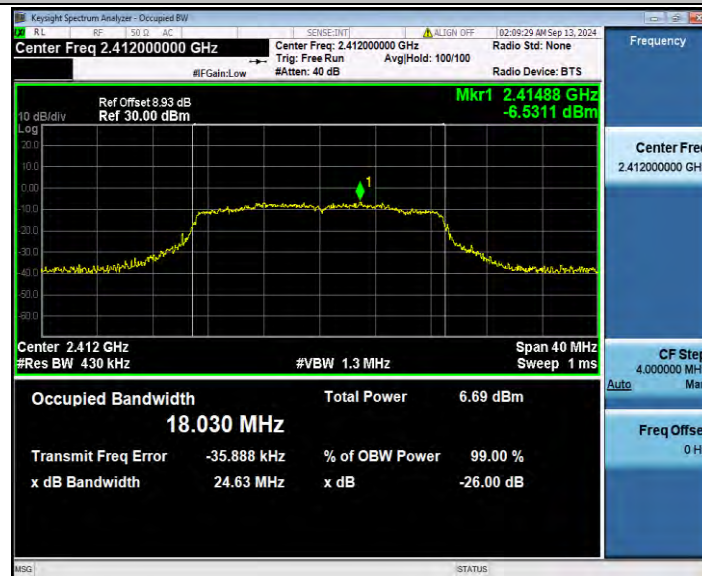
11G_Ant1_2437



11G_Ant1_2462



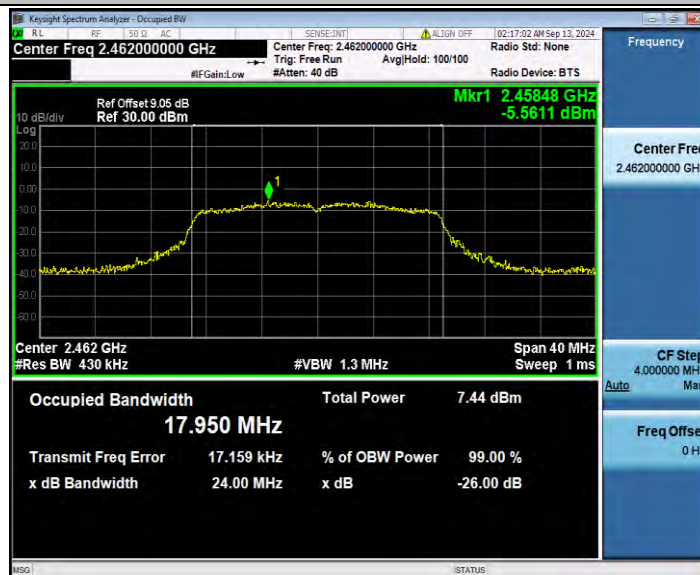
11N20SISO_Ant1_2412



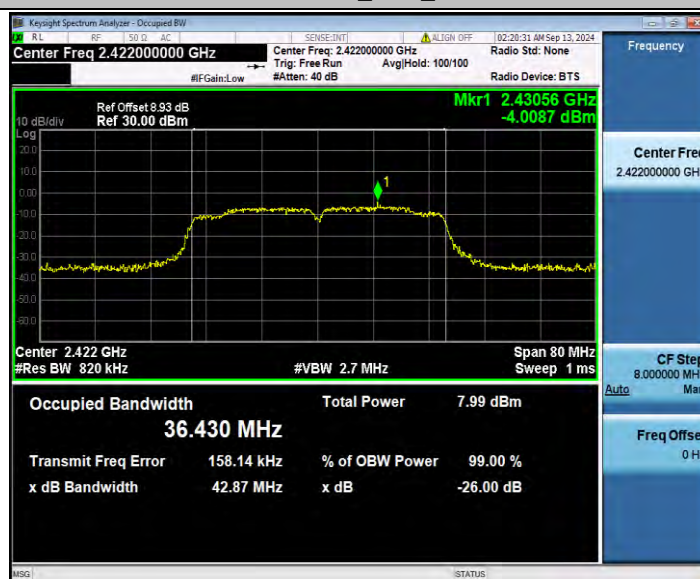
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



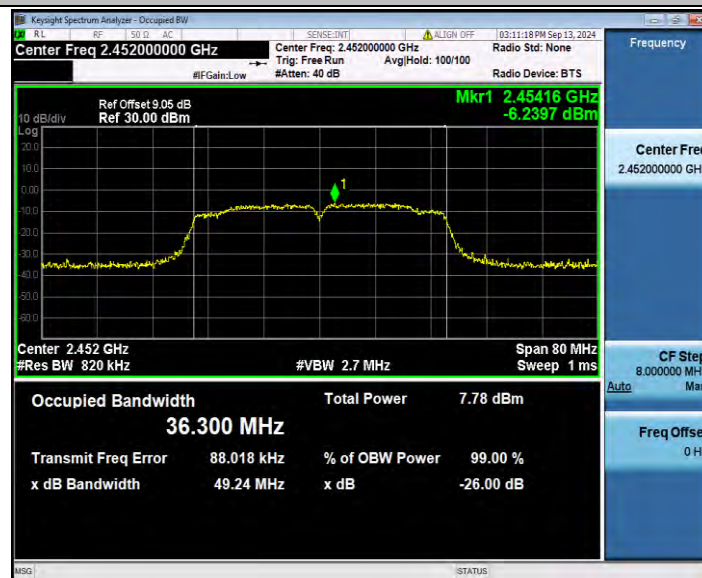
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



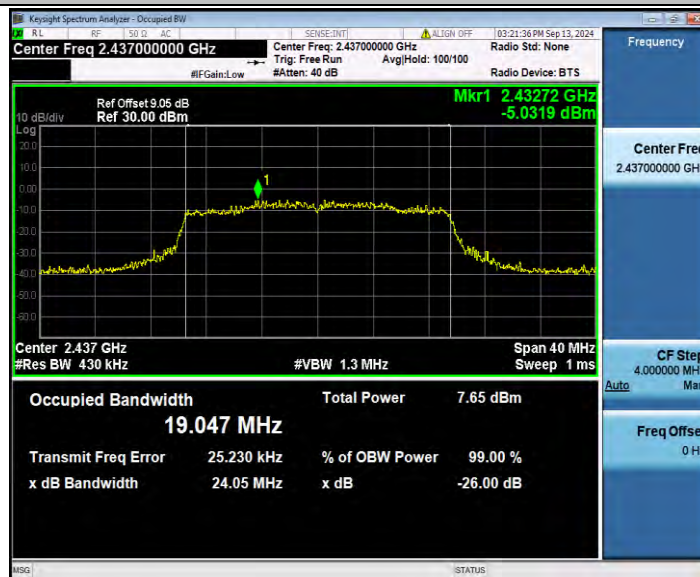
11N40SISO_Ant1_2452



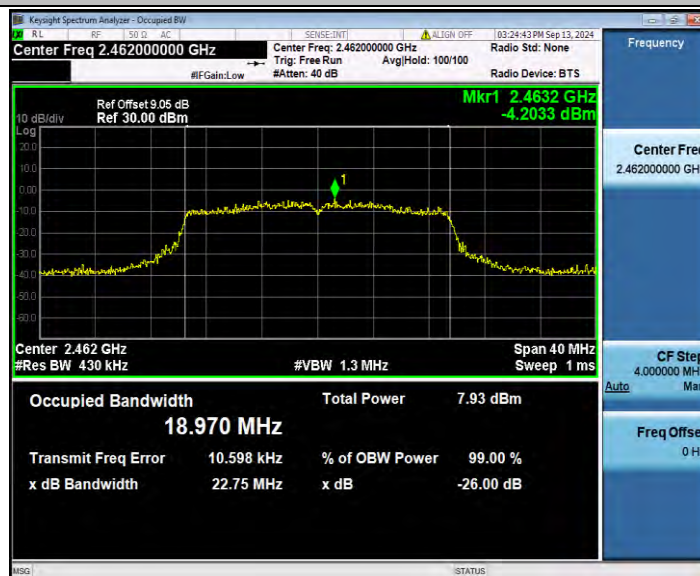
11AX20SISO_Ant1_2412



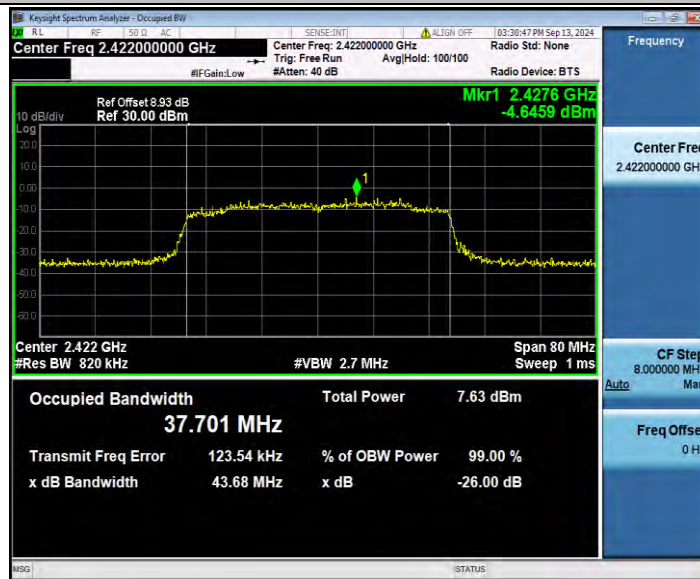
11AX20SISO_Ant1_2437



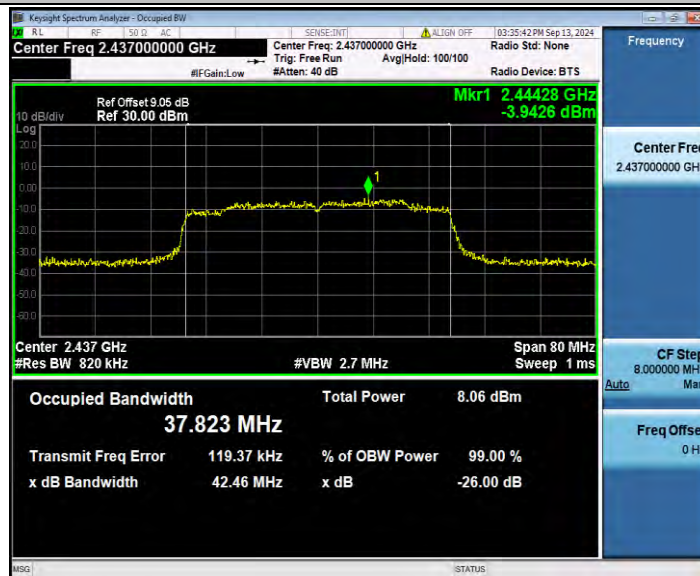
11AX20SISO_Ant1_2462



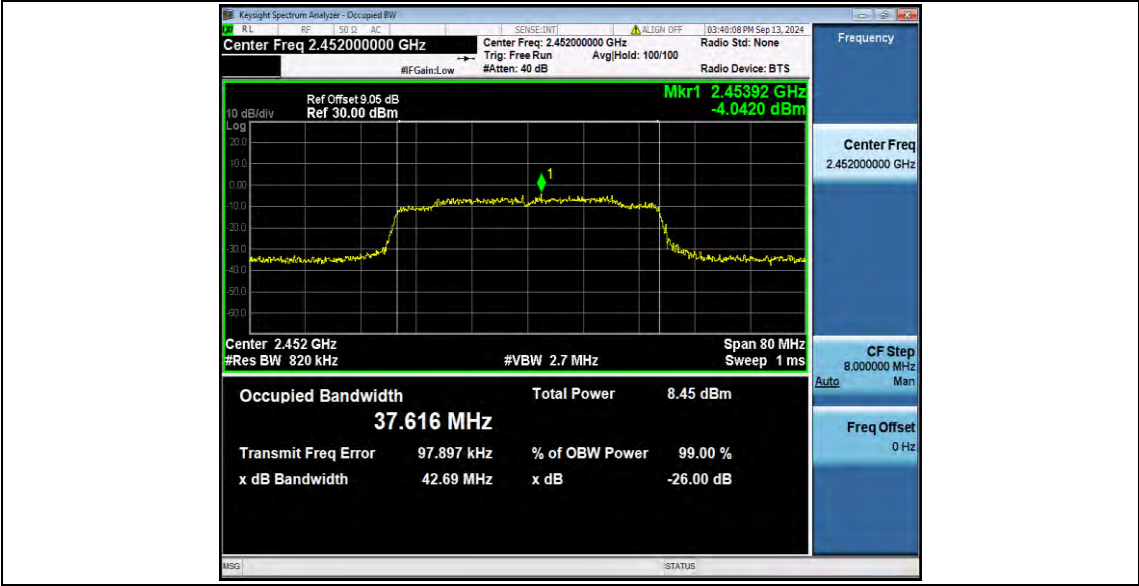
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



Appendix C.3: Maximum conducted output power

Test Result -CHP

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	8.81	≤30.00	PASS
		2437	8.56	≤30.00	PASS
		2462	7.94	≤30.00	PASS
11G	Ant1	2412	8.99	≤30.00	PASS
		2437	8.24	≤30.00	PASS
		2462	8.71	≤30.00	PASS
11N20SISO	Ant1	2412	7.78	≤30.00	PASS
		2437	8.14	≤30.00	PASS
		2462	8.62	≤30.00	PASS
11N40SISO	Ant1	2422	8.27	≤30.00	PASS
		2437	8.15	≤30.00	PASS
		2452	8.02	≤30.00	PASS
11AX20SISO	Ant1	2412	7.17	≤30.00	PASS
		2437	8.13	≤30.00	PASS
		2462	8.29	≤30.00	PASS
11AX40SISO	Ant1	2422	7.71	≤30.00	PASS
		2437	8.08	≤30.00	PASS
		2452	8.46	≤30.00	PASS

Appendix C.4: Maximum power spectral density

Test Result

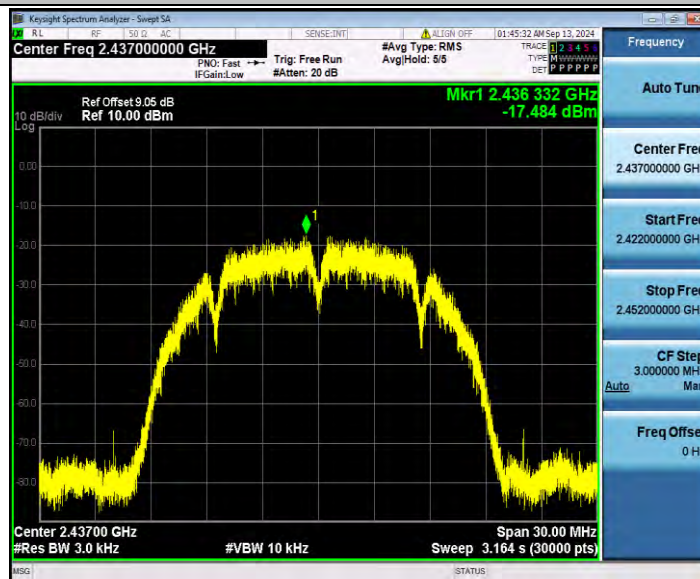
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-17.09	≤8.00	PASS
		2437	-17.48	≤8.00	PASS
		2462	-19.41	≤8.00	PASS
11G	Ant1	2412	-22.79	≤8.00	PASS
		2437	-24.18	≤8.00	PASS
		2462	-22.75	≤8.00	PASS
11N20SISO	Ant1	2412	-24.76	≤8.00	PASS
		2437	-23.87	≤8.00	PASS
		2462	-23.12	≤8.00	PASS
11N40SISO	Ant1	2422	-27.01	≤8.00	PASS
		2437	-27.26	≤8.00	PASS
		2452	-27.41	≤8.00	PASS
11AX20SISO	Ant1	2412	-25.95	≤8.00	PASS
		2437	-25.58	≤8.00	PASS
		2462	-25.14	≤8.00	PASS
11AX40SISO	Ant1	2422	-28.25	≤8.00	PASS
		2437	-27.41	≤8.00	PASS
		2452	-27.25	≤8.00	PASS

Test Graphs

11B_Ant1_2412



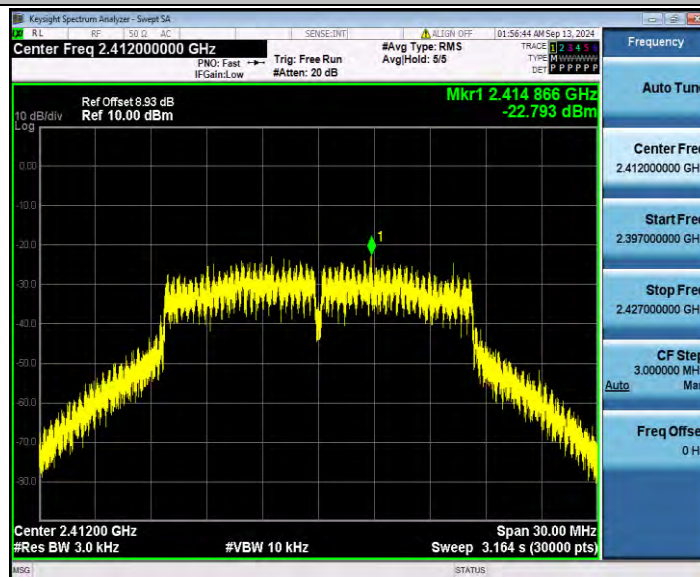
11B_Ant1_2437



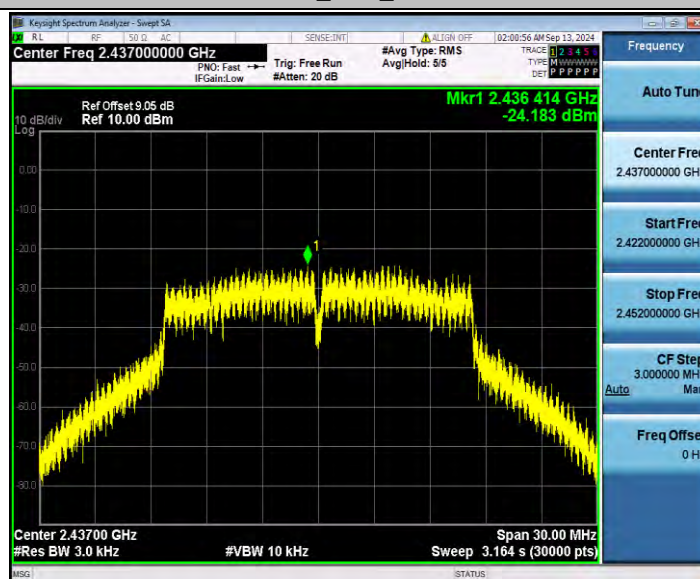
11B_Ant1_2462



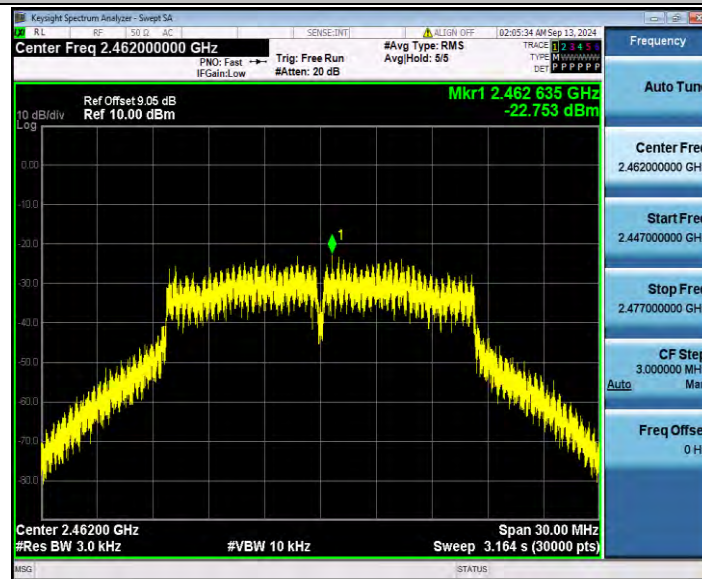
11G_Ant1_2412



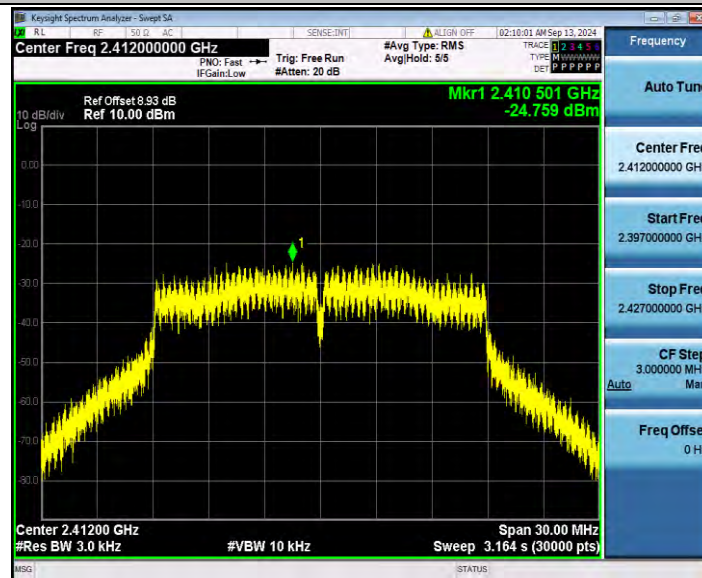
11G_Ant1_2437



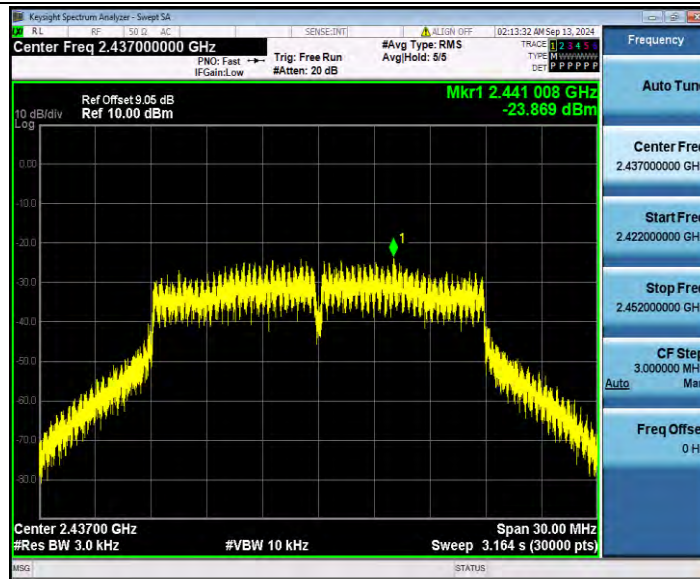
11G_Ant1_2462



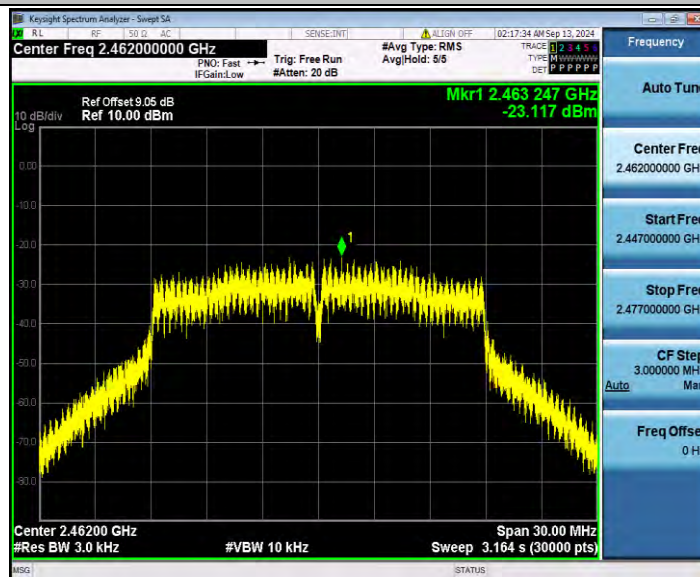
11N20SISO_Ant1_2412



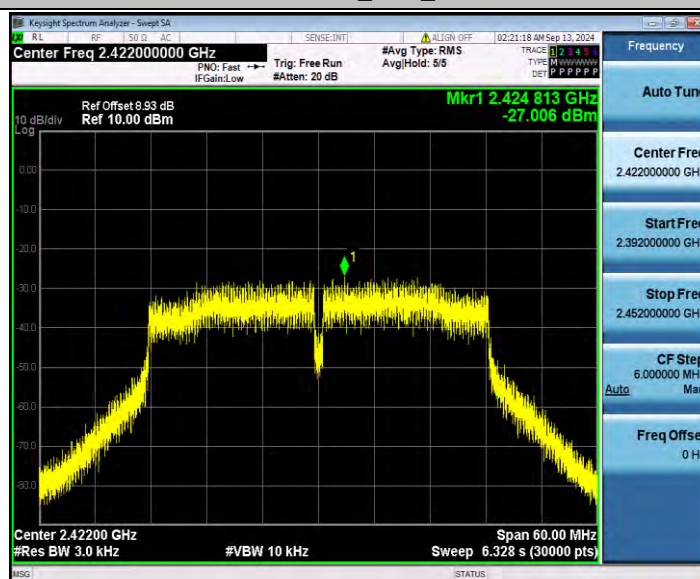
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



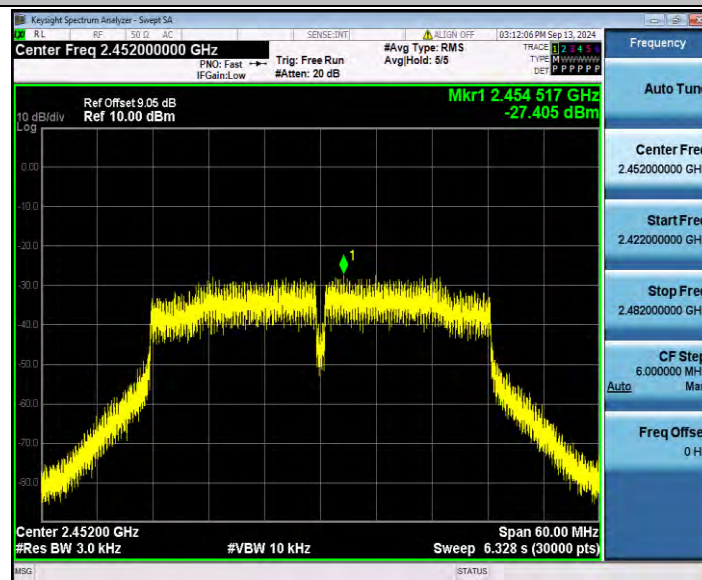
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



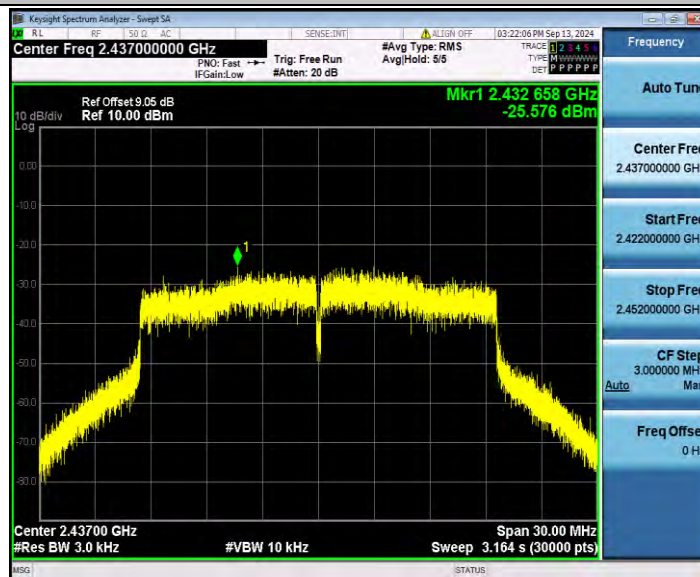
11N40SISO_Ant1_2452



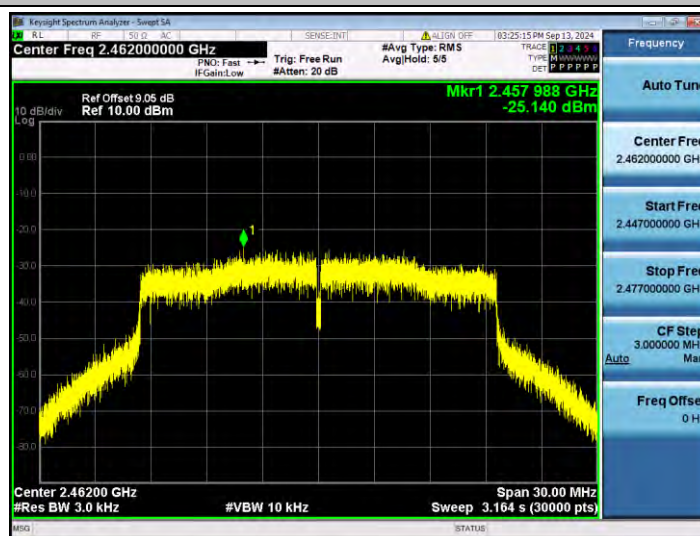
11AX20SISO_Ant1_2412



11AX20SISO_Ant1_2437



11AX20SISO_Ant1_2462



11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452

