

Case No. : <u>CTA24111401803</u>	
Ambient Condition: <u>23</u> °C, <u>52</u> %RH,	
Test Date: <u>2024.9.13</u>	Test Engineer: <u>Lushan Kong</u>

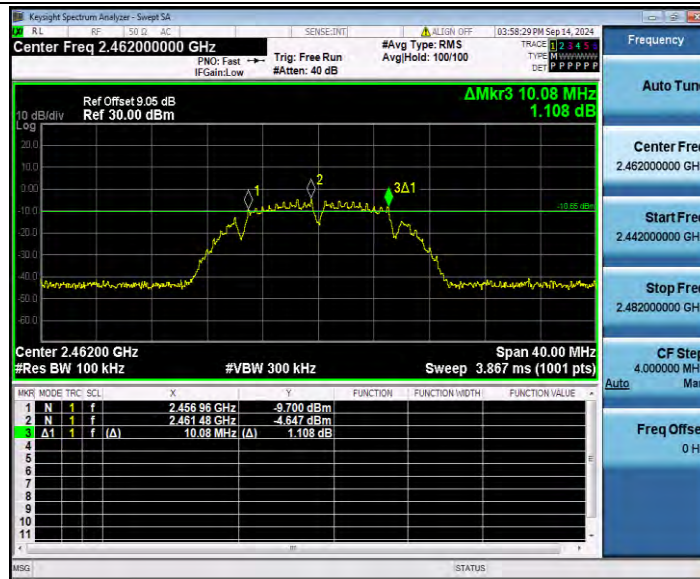
Appendix C.1: DTS Bandwidth

Test Result

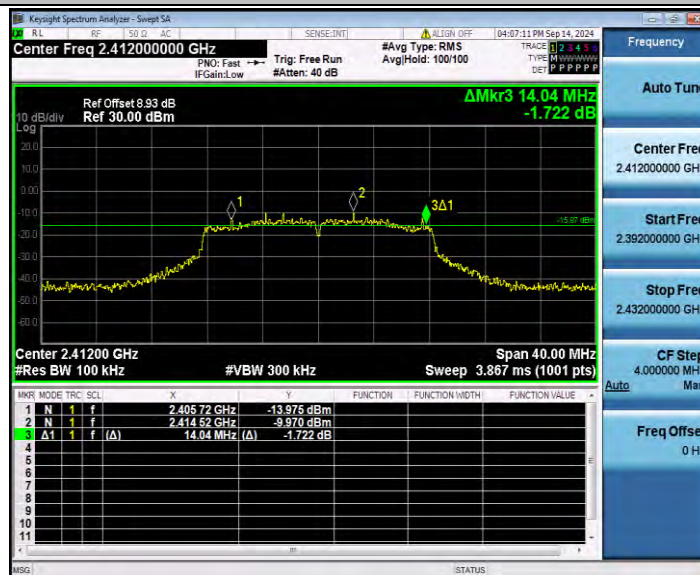
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	10.080	2406.960	2417.040	0.5	PASS
		2437	10.040	2431.960	2442.000	0.5	PASS
		2462	10.080	2456.960	2467.040	0.5	PASS
11G	Ant2	2412	14.040	2405.720	2419.760	0.5	PASS
		2437	13.880	2430.680	2444.560	0.5	PASS
		2462	12.200	2455.680	2467.880	0.5	PASS
11N20SISO	Ant2	2412	12.880	2404.440	2417.320	0.5	PASS
		2437	12.920	2429.200	2442.120	0.5	PASS
		2462	17.520	2453.240	2470.760	0.5	PASS
11N40SISO	Ant2	2422	32.560	2406.960	2439.520	0.5	PASS
		2437	32.720	2421.800	2454.520	0.5	PASS
		2452	29.600	2435.760	2465.360	0.5	PASS
11AX20SISO	Ant2	2412	18.680	2402.720	2421.400	0.5	PASS
		2437	18.760	2427.680	2446.440	0.5	PASS
		2462	18.800	2452.680	2471.480	0.5	PASS
11AX40SISO	Ant2	2422	37.280	2403.680	2440.960	0.5	PASS
		2437	34.640	2420.680	2455.320	0.5	PASS
		2452	35.600	2434.640	2470.240	0.5	PASS

Test Graphs

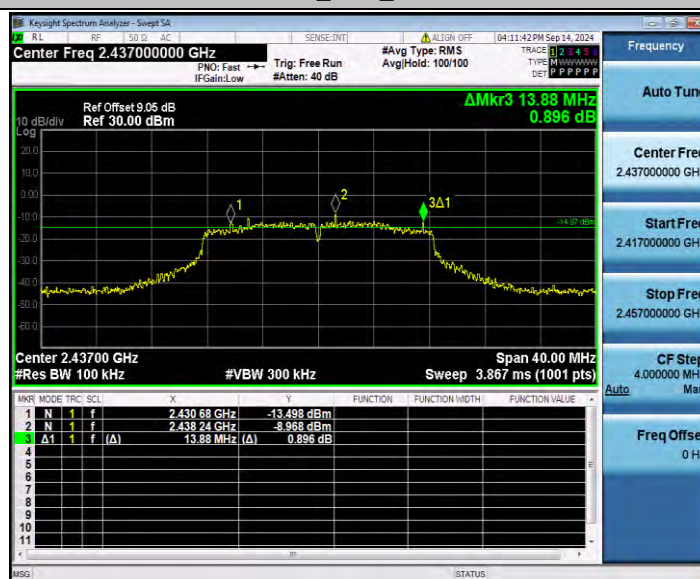


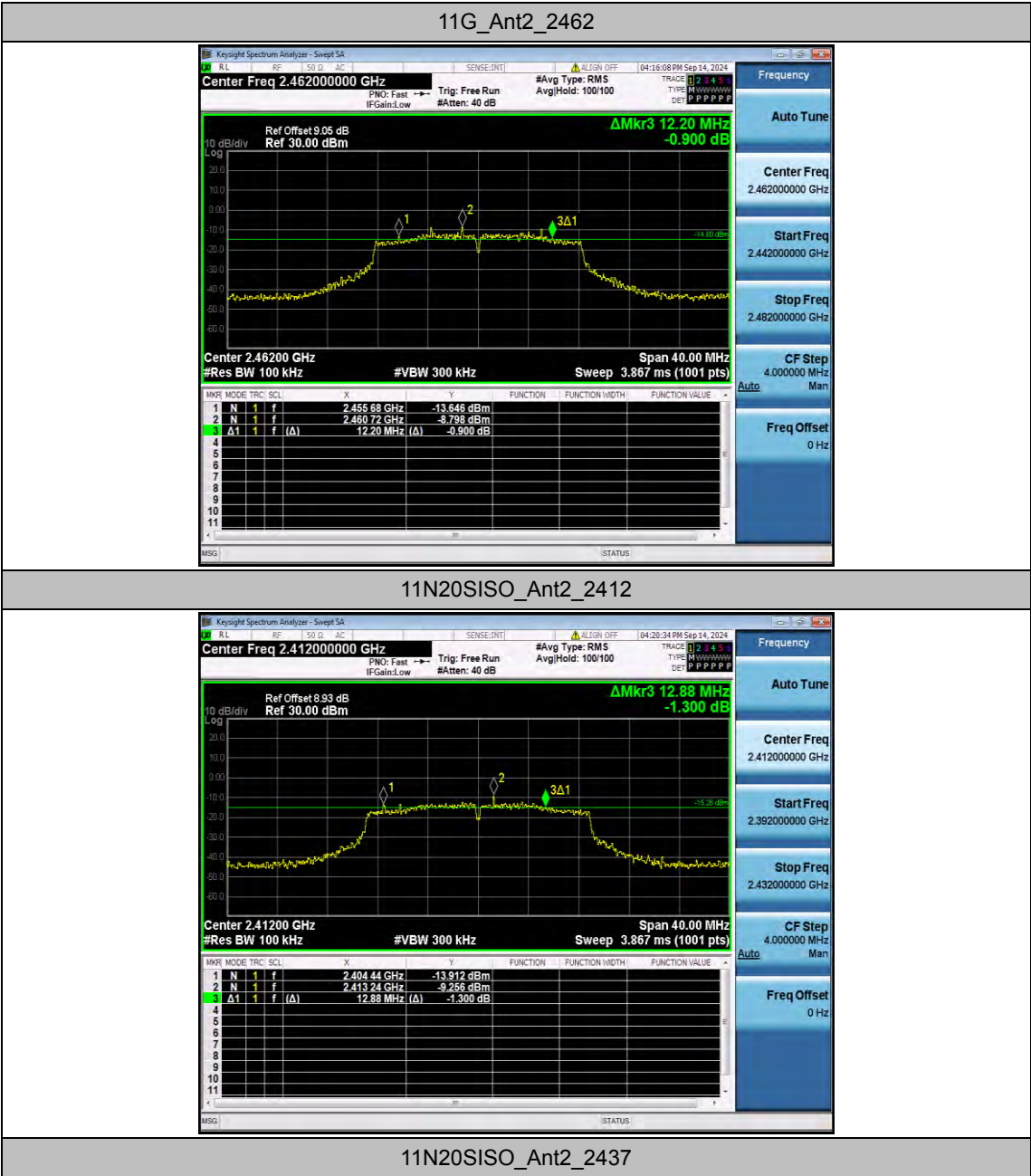


11G_Ant2_2412



11G_Ant2_2437



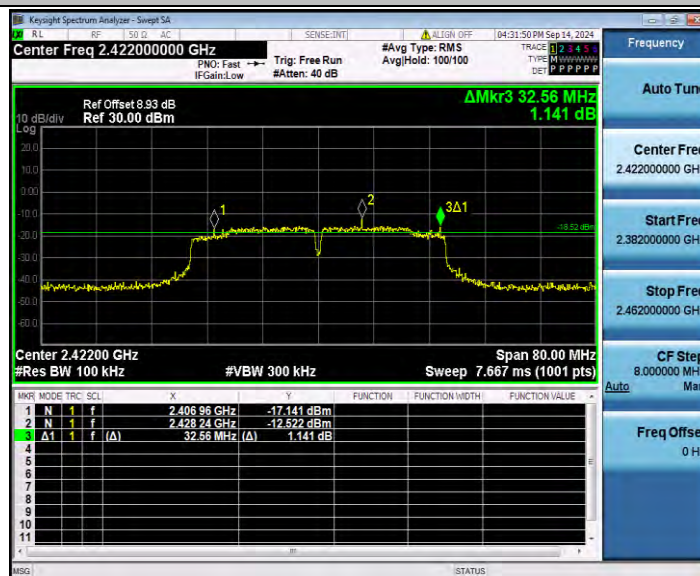




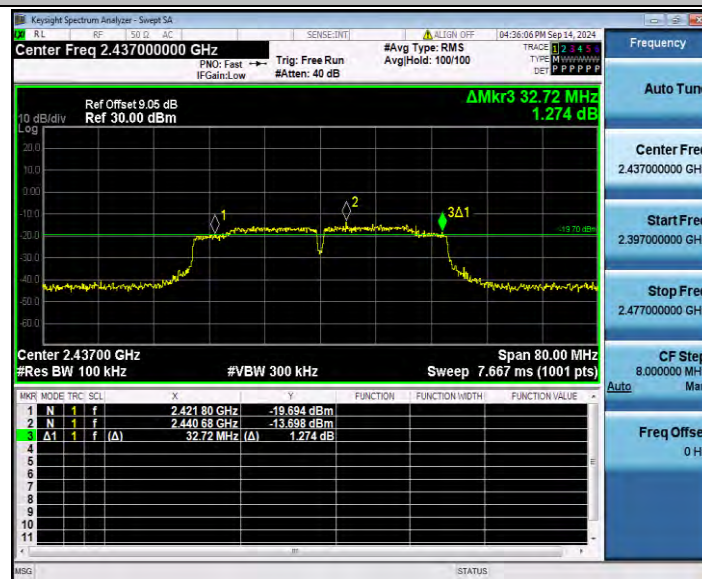
11N20SISO_Ant2_2462



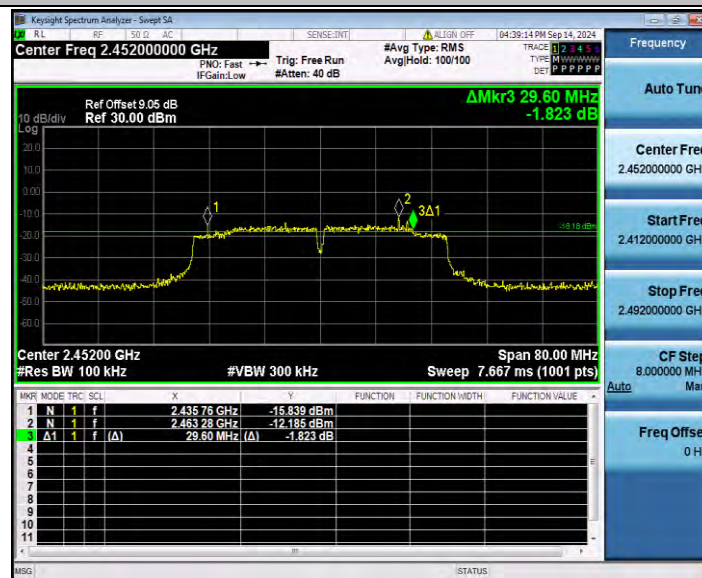
11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452



11AX20SISO_Ant2_2412



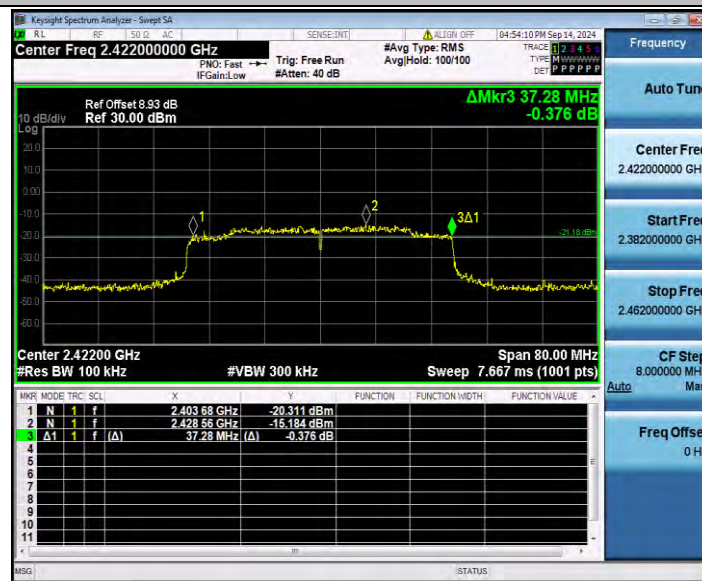
11AX20SISO_Ant2_2437



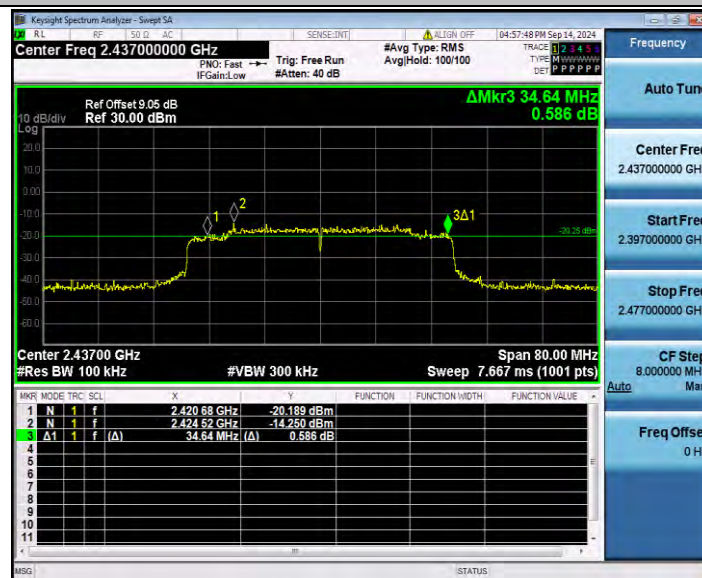
11AX20SISO_Ant2_2462



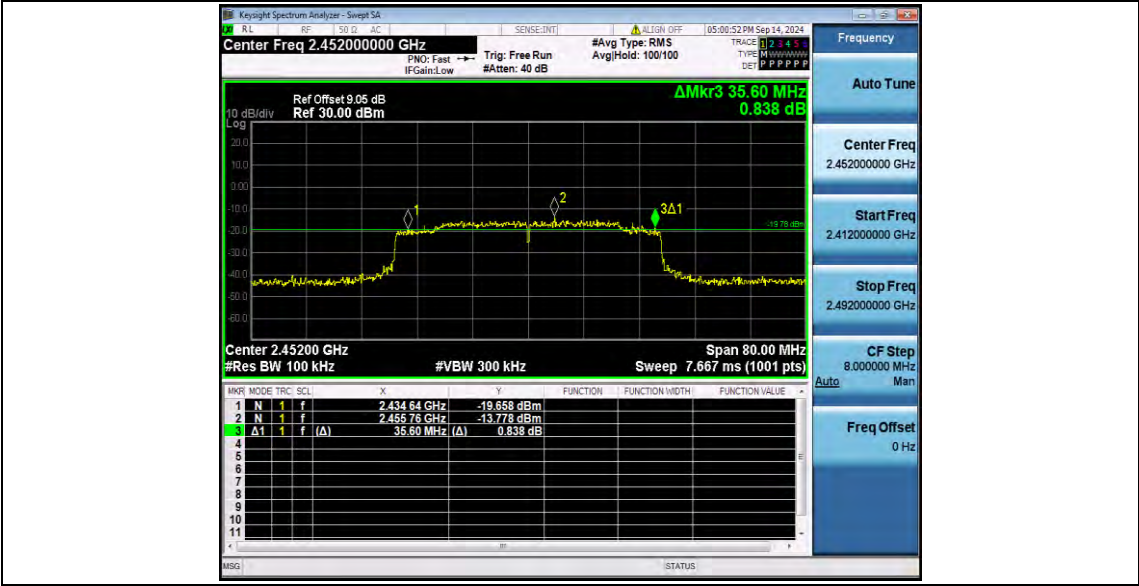
11AX40SISO_Ant2_2422



11AX40SISO_Ant2_2437



11AX40SISO_Ant2_2452



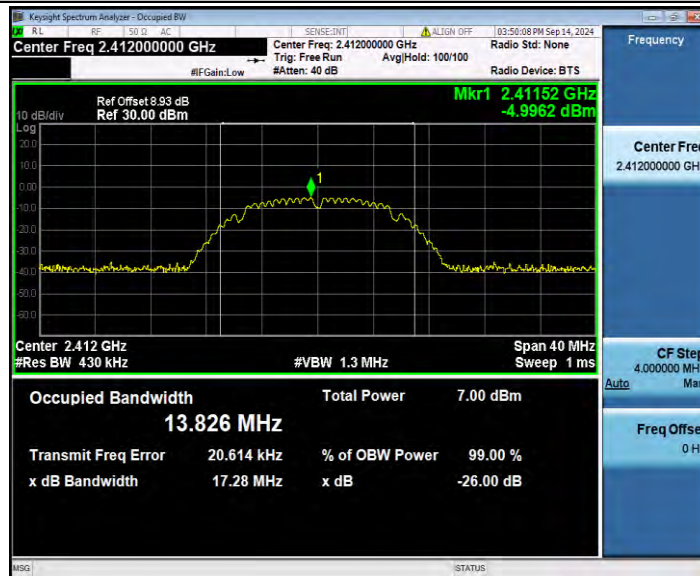
Appendix C.2: Occupied Channel Bandwidth

Test Result

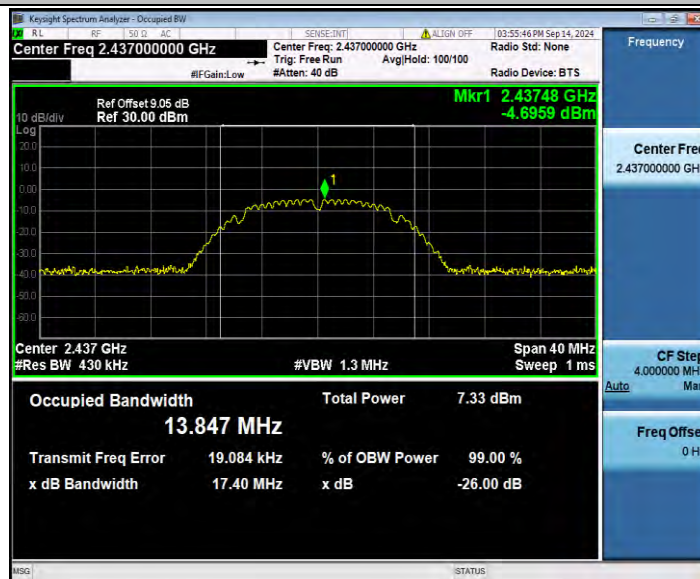
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	13.826	2405.1076	2418.9336	---	---
		2437	13.847	2430.0956	2443.9426	---	---
		2462	13.791	2455.1343	2468.9253	---	---
11G	Ant2	2412	17.006	2403.5908	2420.5968	---	---
		2437	17.054	2428.5042	2445.5582	---	---
		2462	16.964	2453.5641	2470.5281	---	---
11N20SISO	Ant2	2412	18.035	2403.0163	2421.0513	---	---
		2437	18.001	2428.0057	2446.0067	---	---
		2462	18.045	2453.0325	2471.0775	---	---
11N40SISO	Ant2	2422	36.276	2403.9635	2440.2395	---	---
		2437	36.366	2418.9158	2455.2818	---	---
		2452	36.311	2433.8856	2470.1966	---	---
11AX20SISO	Ant2	2412	19.043	2402.4886	2421.5316	---	---
		2437	19.046	2427.4771	2446.5231	---	---
		2462	19.002	2452.5058	2471.5078	---	---
11AX40SISO	Ant2	2422	37.757	2403.2202	2440.9772	---	---
		2437	37.677	2418.3104	2455.9874	---	---
		2452	37.718	2433.1126	2470.8306	---	---

Test Graphs

11B_Ant2_2412



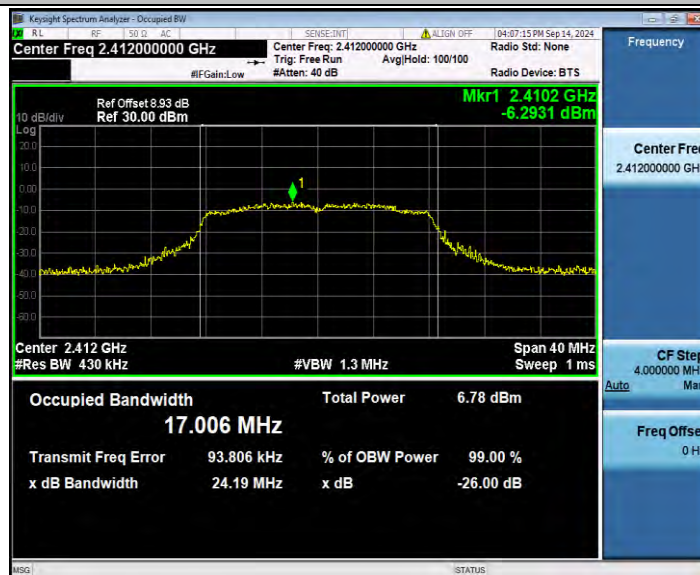
11B_Ant2_2437



11B_Ant2_2462



11G_Ant2_2412



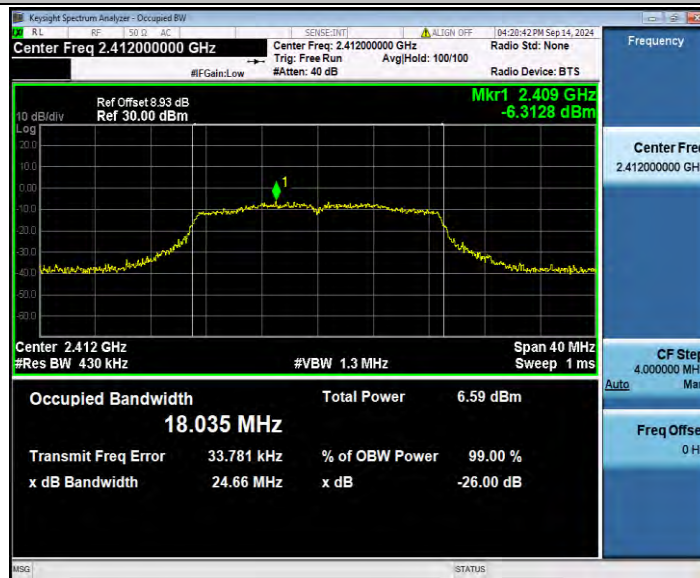
11G_Ant2_2437



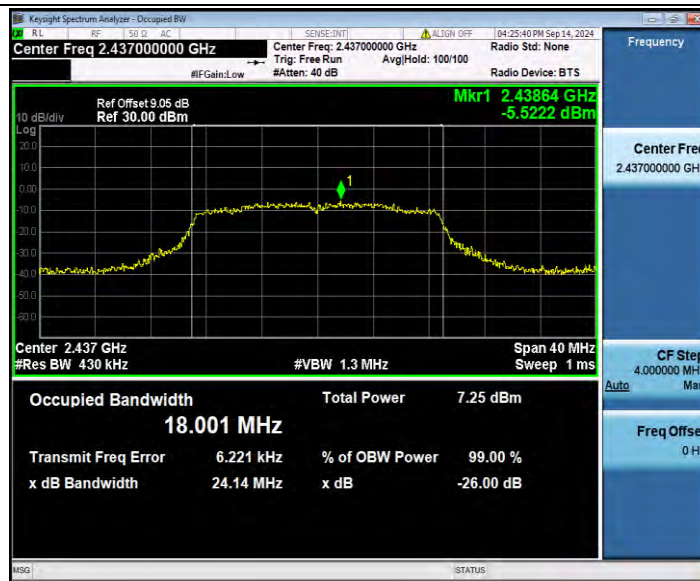
11G_Ant2_2462



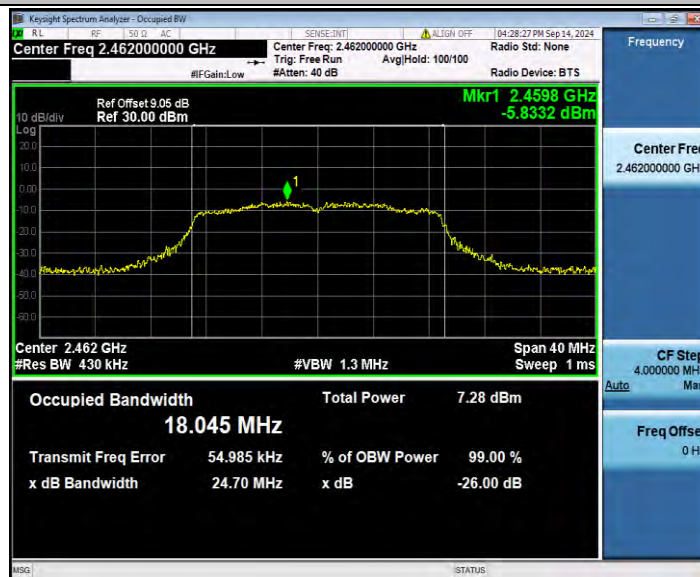
11N20SISO_Ant2_2412



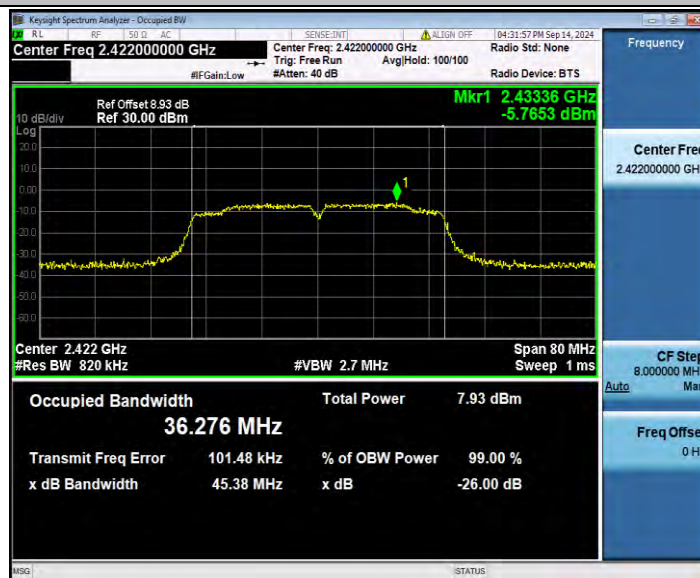
11N20SISO_Ant2_2437



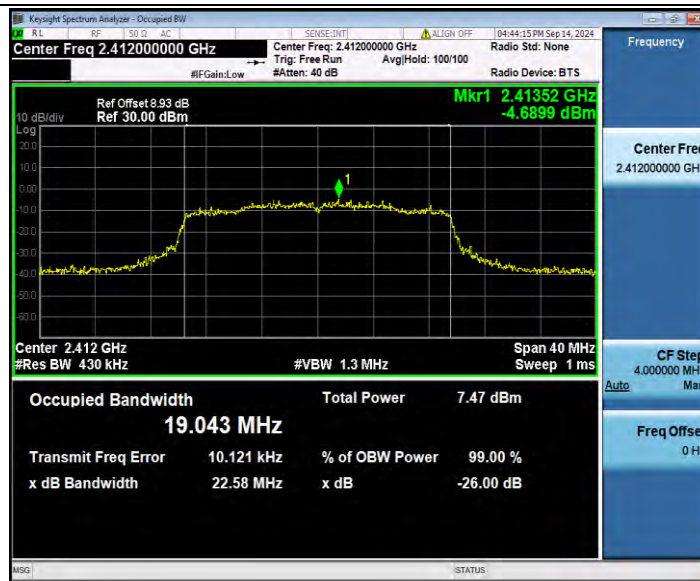
11N20SISO_Ant2_2462



11N40SISO_Ant2_2422



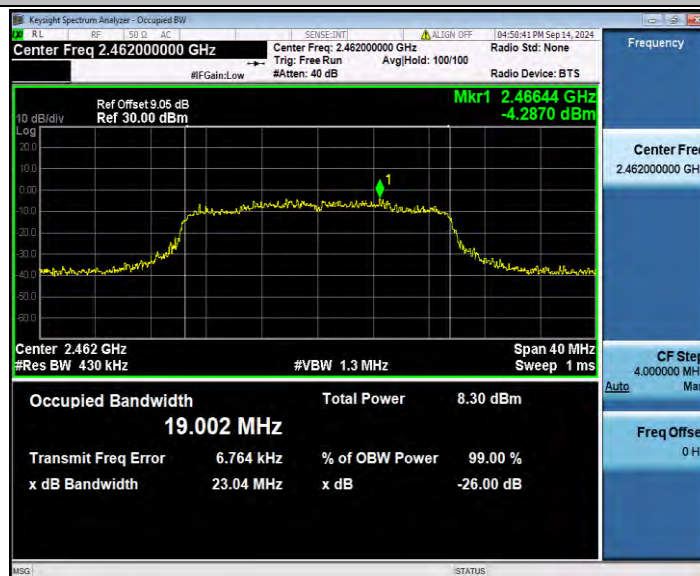




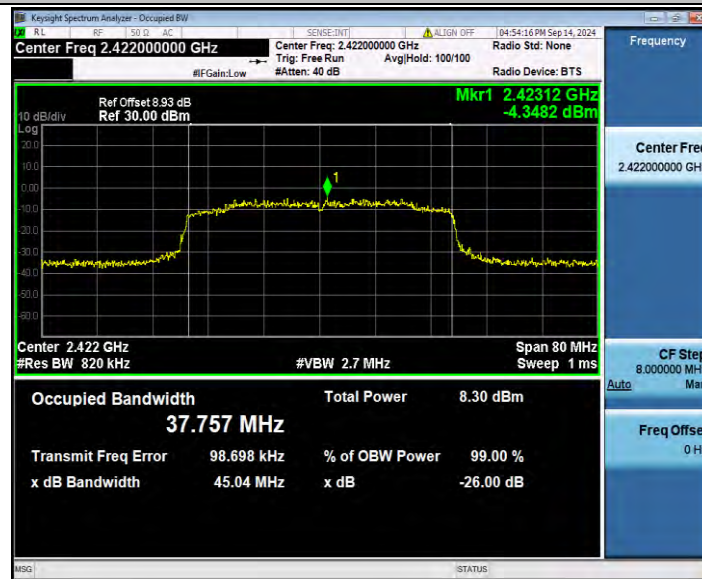
11AX20SISO_Ant2_2437



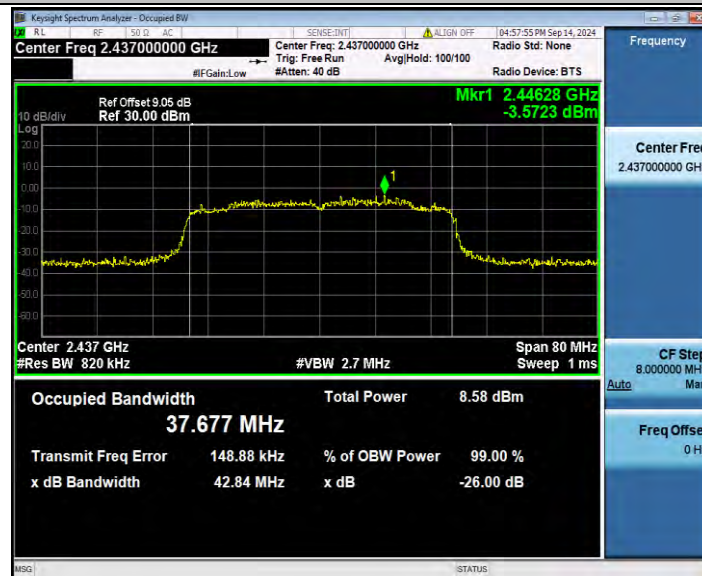
11AX20SISO_Ant2_2462



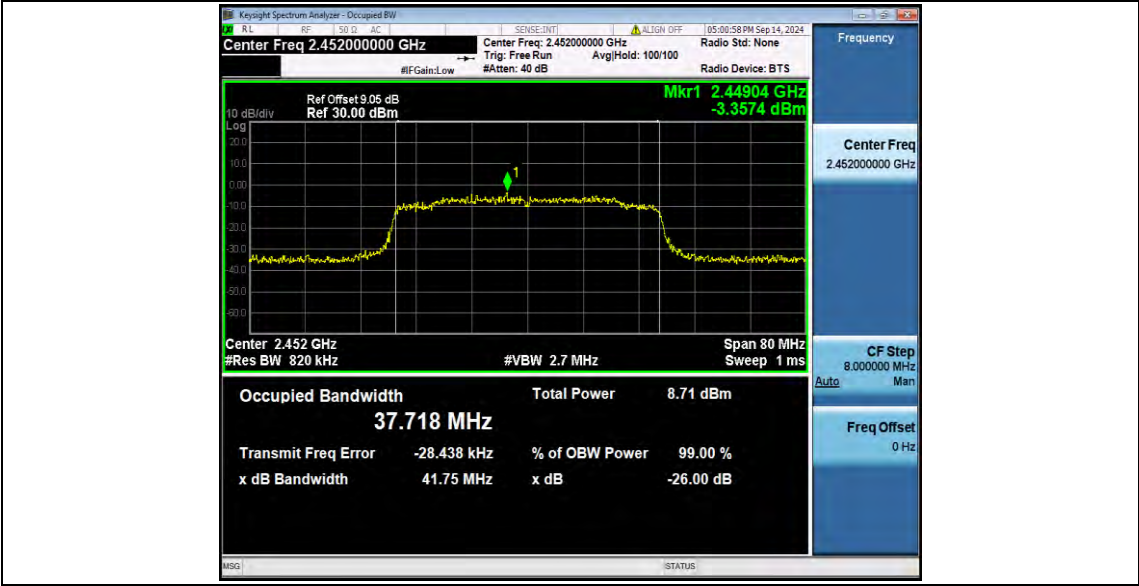
11AX40SISO_Ant2_2422



11AX40SISO_Ant2_2437



11AX40SISO_Ant2_2452



Appendix C.3: Maximum conducted output power

Test Result -CHP

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant2	2412	7.14	≤30.00	PASS
		2437	7.40	≤30.00	PASS
		2462	7.66	≤30.00	PASS
11G	Ant2	2412	7.75	≤30.00	PASS
		2437	8.18	≤30.00	PASS
		2462	8.38	≤30.00	PASS
11N20SISO	Ant2	2412	7.76	≤30.00	PASS
		2437	8.07	≤30.00	PASS
		2462	8.35	≤30.00	PASS
11N40SISO	Ant2	2422	8.17	≤30.00	PASS
		2437	8.22	≤30.00	PASS
		2452	8.67	≤30.00	PASS
11AX20SISO	Ant2	2412	8.12	≤30.00	PASS
		2437	8.47	≤30.00	PASS
		2462	8.91	≤30.00	PASS
11AX40SISO	Ant2	2422	8.30	≤30.00	PASS
		2437	8.47	≤30.00	PASS
		2452	8.57	≤30.00	PASS

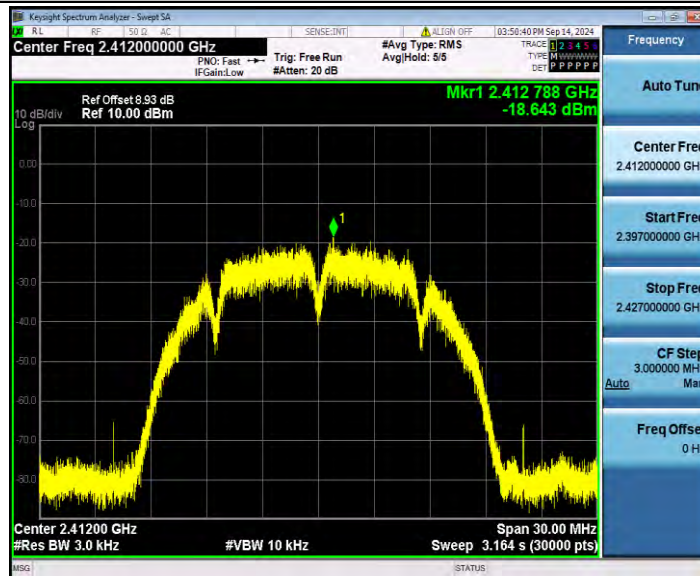
Appendix C.4: Maximum power spectral density

Test Result

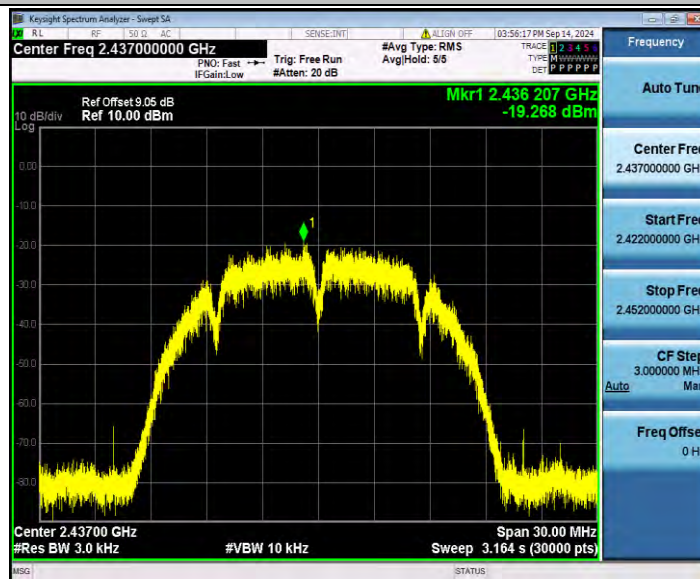
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant2	2412	-18.64	≤8.00	PASS
		2437	-19.27	≤8.00	PASS
		2462	-19.33	≤8.00	PASS
11G	Ant2	2412	-23.84	≤8.00	PASS
		2437	-23.03	≤8.00	PASS
		2462	-23.81	≤8.00	PASS
11N20SISO	Ant2	2412	-23.62	≤8.00	PASS
		2437	-23.74	≤8.00	PASS
		2462	-21.64	≤8.00	PASS
11N40SISO	Ant2	2422	-27.25	≤8.00	PASS
		2437	-26.71	≤8.00	PASS
		2452	-26.74	≤8.00	PASS
11AX20SISO	Ant2	2412	-25.13	≤8.00	PASS
		2437	-24.87	≤8.00	PASS
		2462	-24.48	≤8.00	PASS
11AX40SISO	Ant2	2422	-27.54	≤8.00	PASS
		2437	-27.58	≤8.00	PASS
		2452	-27.97	≤8.00	PASS

Test Graphs

11B_Ant2_2412



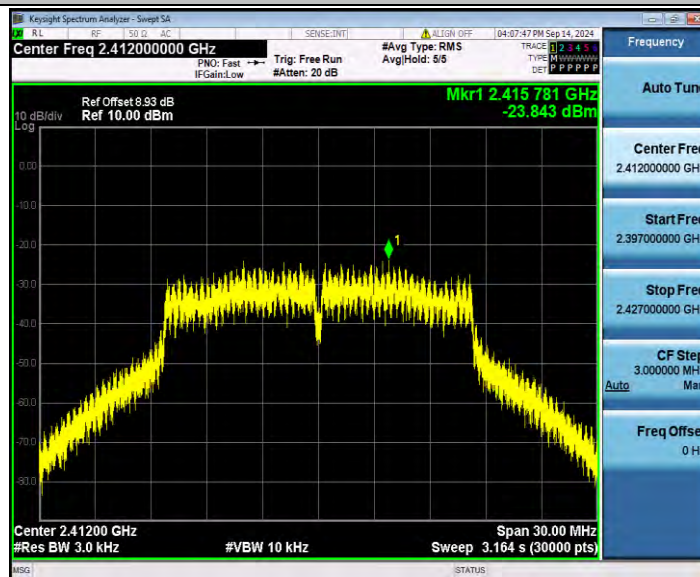
11B_Ant2_2437



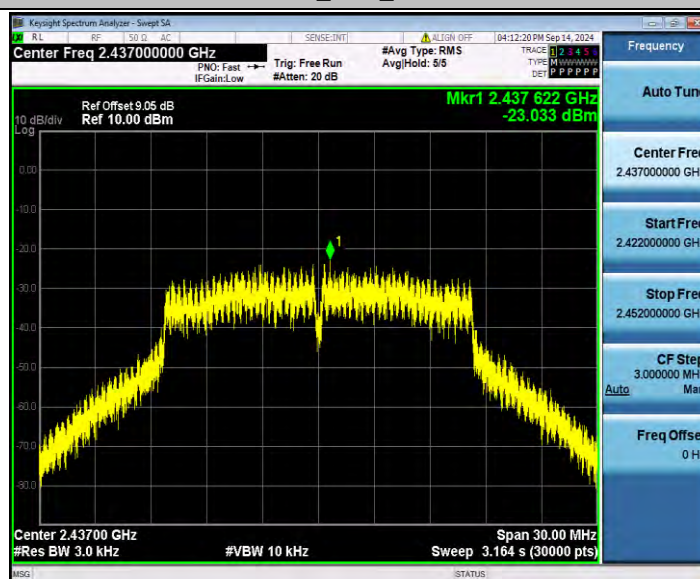
11B_Ant2_2462



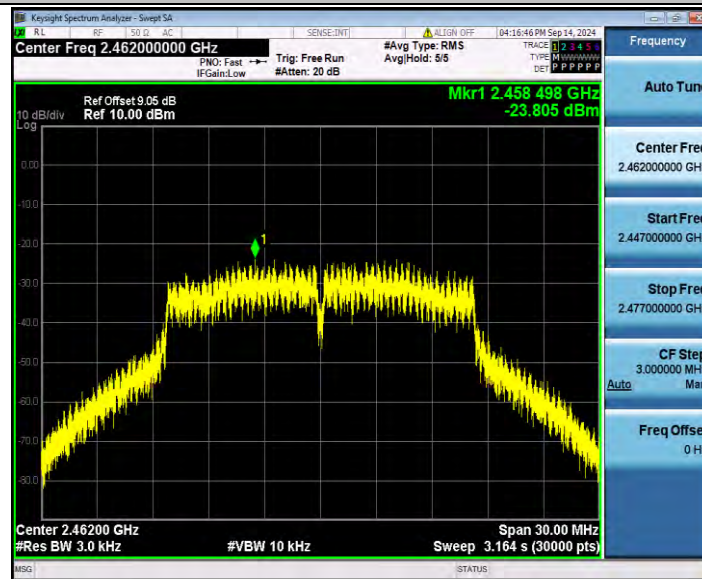
11G_Ant2_2412



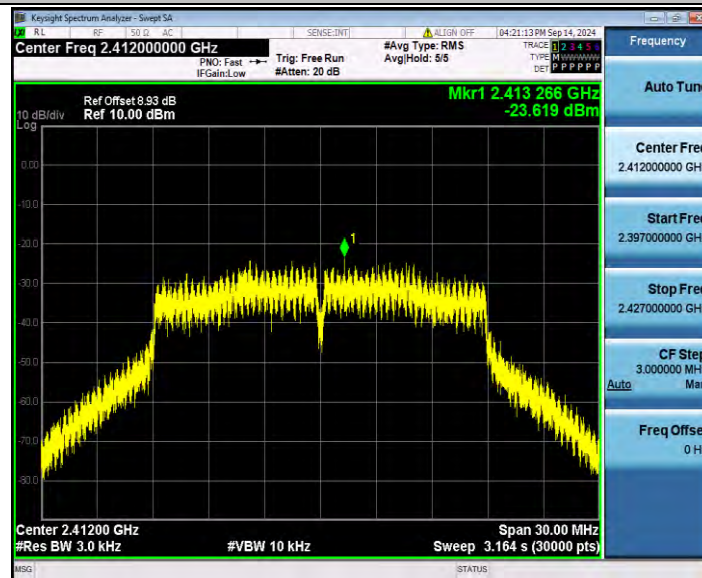
11G_Ant2_2437



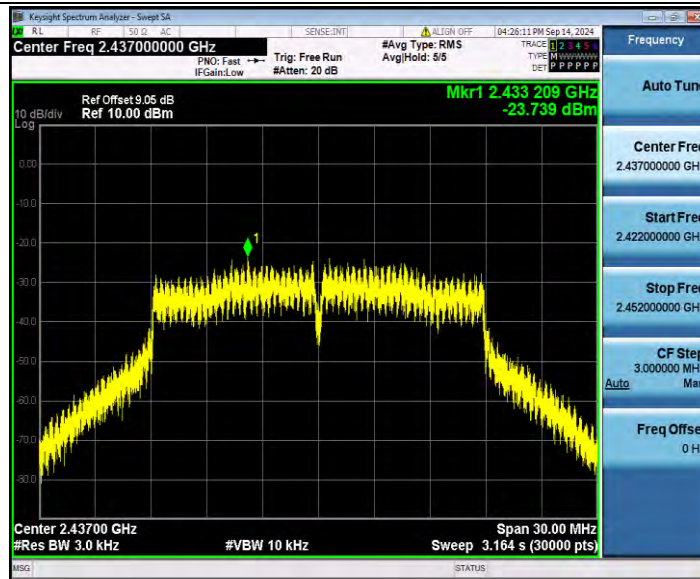
11G_Ant2_2462



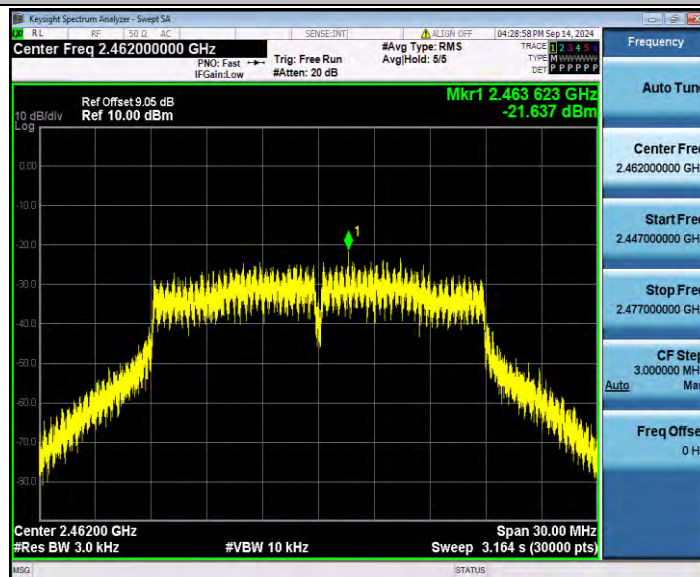
11N20SISO_Ant2_2412



11N20SISO_Ant2_2437



11N20SISO_Ant2_2462



11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452



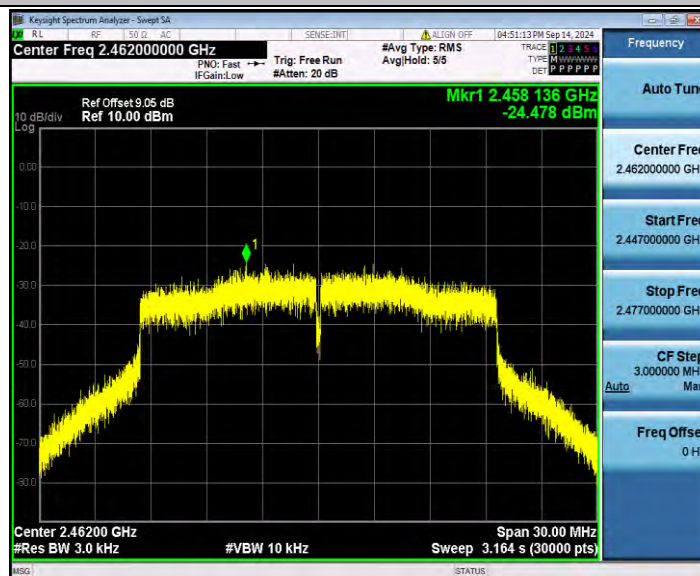
11AX20SISO_Ant2_2412



11AX20ISO_Ant2_2437



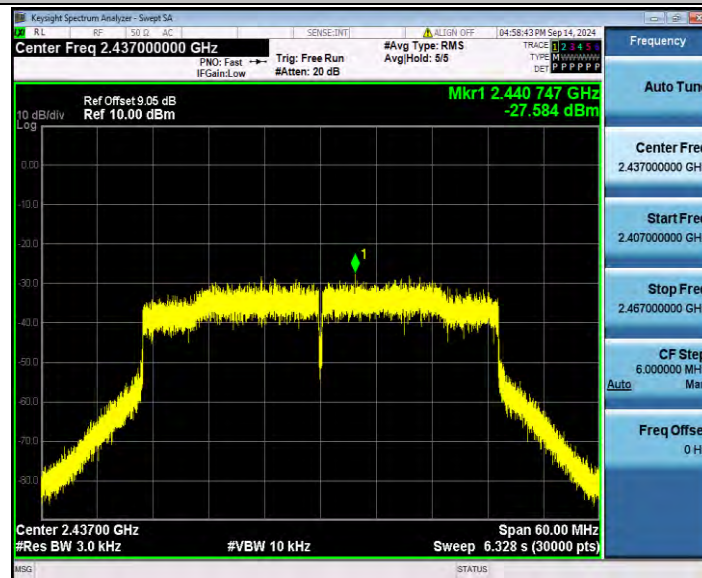
11AX20ISO_Ant2_2462



11AX40SISO_Ant2_2422



11AX40SISO_Ant2_2437



11AX40SISO_Ant2_2452

