

FCC Appendix RF Test Data for 2.4GWIFI

FCC ID : **2BP98-C2**

Company : **Shenzhen Kuge Times Technology Co., Ltd.**

EUT : **4-in-1 Wireless CarPlay Adapter With Auto
Emergency Rescue Device**

Model Number : **C2**

Report No. : **CTA26022400402**

Reviewed By : **Eric Wang**

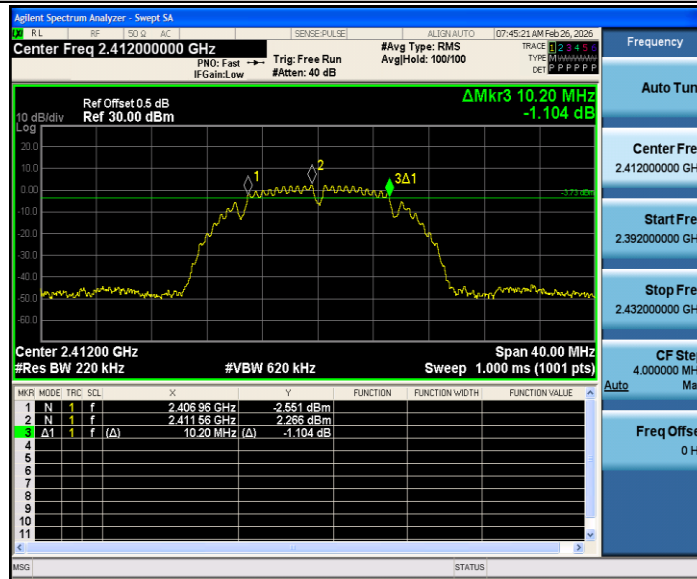
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.200	2406.960	2417.160	0.5	PASS
		2437	10.200	2431.960	2442.160	0.5	PASS
		2462	10.240	2456.920	2467.160	0.5	PASS
11G	Ant1	2412	15.720	2404.320	2420.040	0.5	PASS
		2437	15.800	2429.000	2444.800	0.5	PASS
		2462	15.920	2454.120	2470.040	0.5	PASS
11N20SISO	Ant1	2412	17.040	2403.560	2420.600	0.5	PASS
		2437	16.400	2429.160	2445.560	0.5	PASS
		2462	16.480	2453.440	2469.920	0.5	PASS
11N40SISO	Ant1	2422	35.760	2404.080	2439.840	0.5	PASS
		2437	35.920	2419.000	2454.920	0.5	PASS
		2452	35.680	2434.240	2469.920	0.5	PASS
11AX20SISO	Ant1	2412	18.360	2403.000	2421.360	0.5	PASS
		2437	18.480	2427.760	2446.240	0.5	PASS
		2462	18.560	2452.680	2471.240	0.5	PASS
11AX40SISO	Ant1	2422	34.640	2403.840	2438.480	0.5	PASS
		2437	35.600	2418.920	2454.520	0.5	PASS
		2452	35.680	2434.080	2469.760	0.5	PASS

Test Graphs

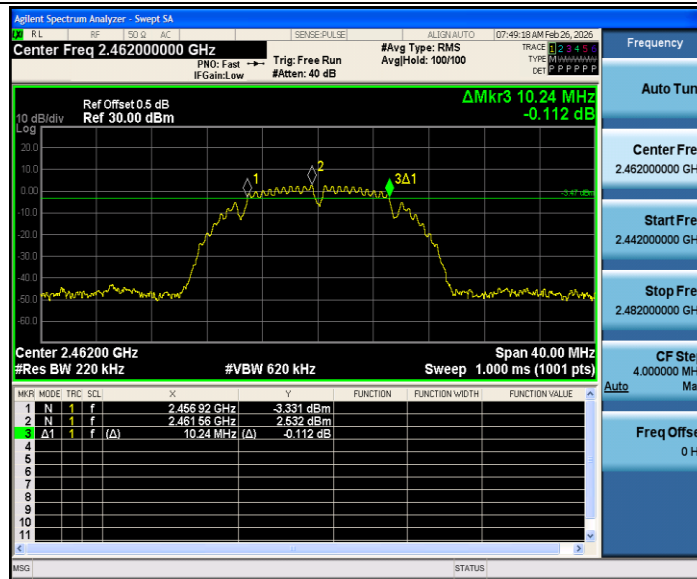
11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



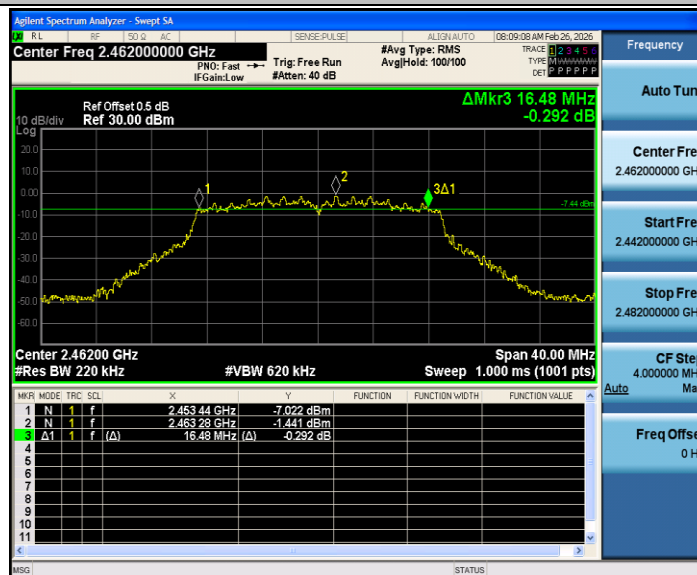
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



11N40SISO_Ant1_2422





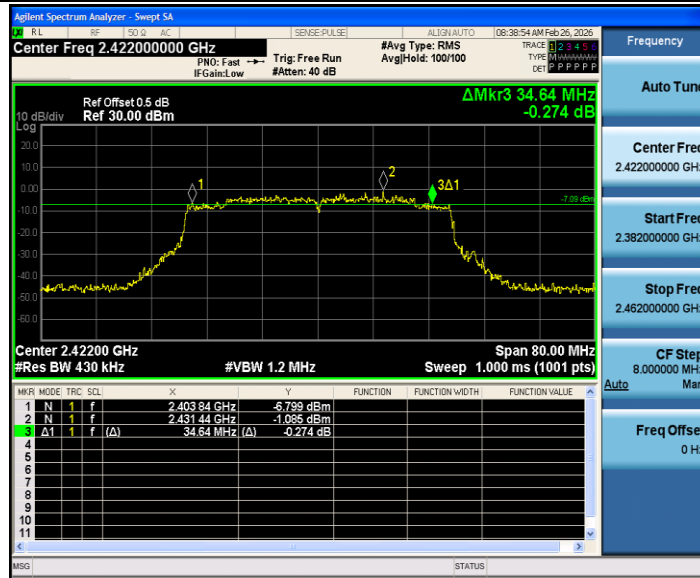
11AX20SISO_Ant1_2437



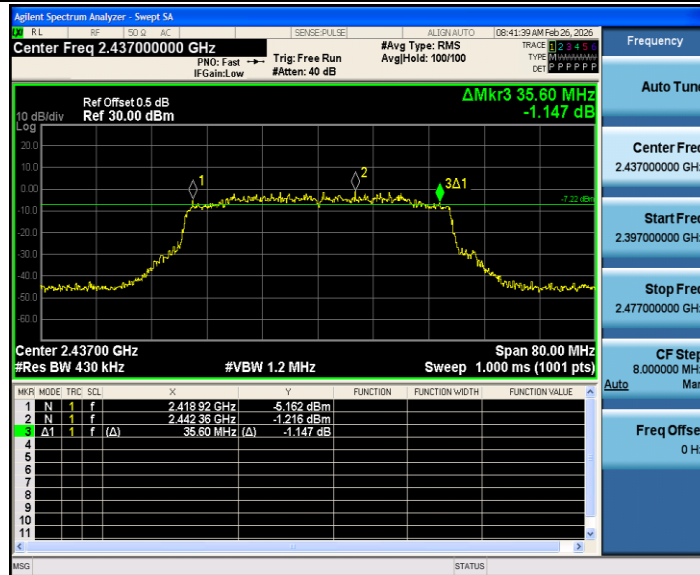
11AX20SISO_Ant1_2462



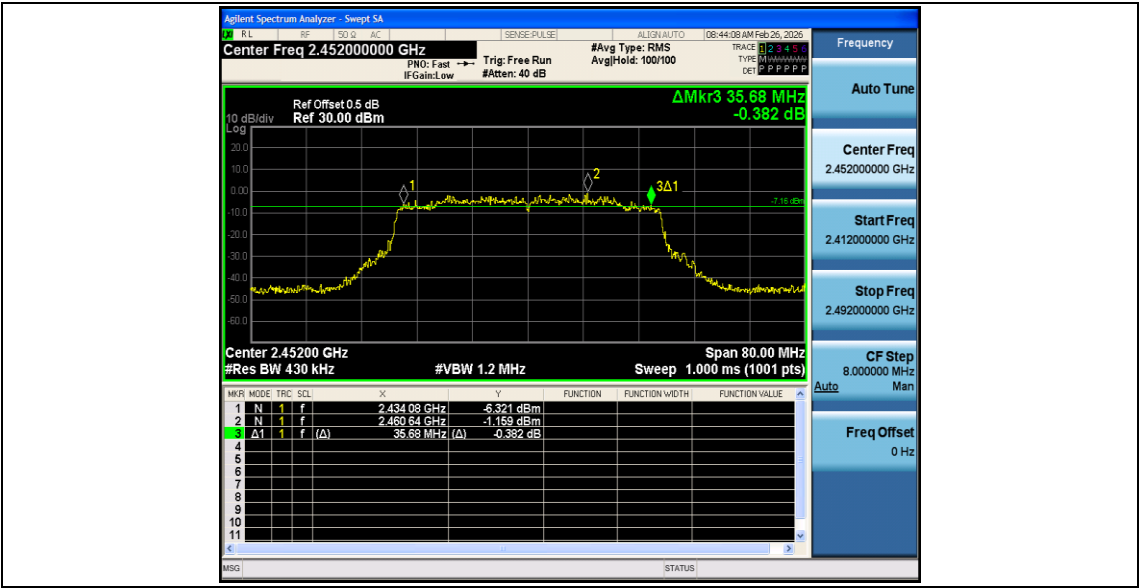
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



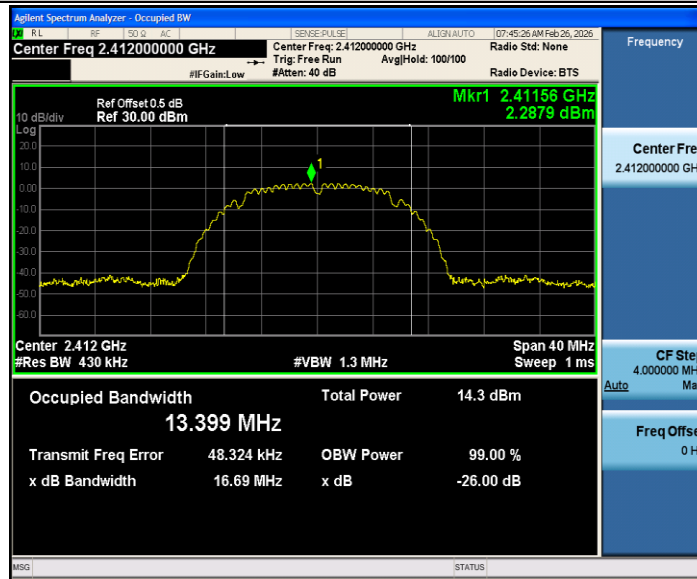
Appendix B: Occupied Channel Bandwidth

Test Result

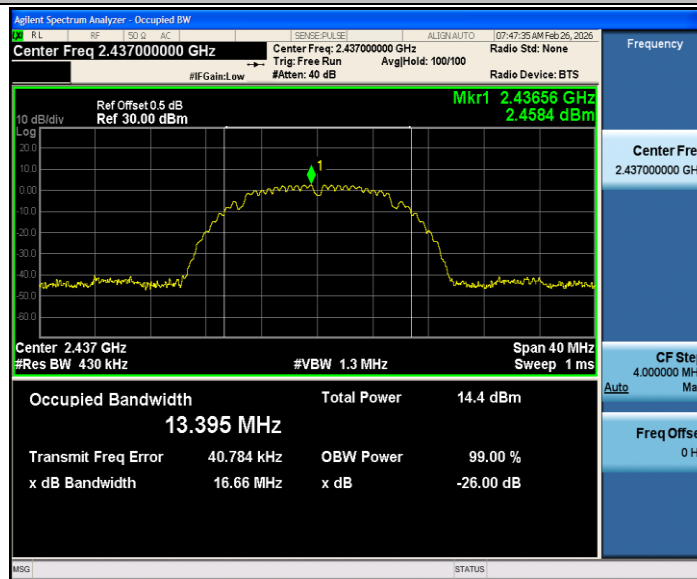
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.399	2405.3488	2418.7478	---	---
		2437	13.395	2430.3433	2443.7383	---	---
		2462	13.408	2455.3153	2468.7233	---	---
11G	Ant1	2412	16.851	2403.6294	2420.4804	---	---
		2437	16.813	2428.7016	2445.5146	---	---
		2462	16.801	2453.6351	2470.4361	---	---
11N20SISO	Ant1	2412	17.828	2403.1331	2420.9611	---	---
		2437	17.910	2428.0840	2445.9940	---	---
		2462	17.858	2453.0856	2470.9436	---	---
11N40SISO	Ant1	2422	36.128	2403.9884	2440.1164	---	---
		2437	35.990	2419.0745	2455.0645	---	---
		2452	36.050	2434.0339	2470.0839	---	---
11AX20SISO	Ant1	2412	18.957	2402.5562	2421.5132	---	---
		2437	18.913	2427.5605	2446.4735	---	---
		2462	19.001	2452.5503	2471.5513	---	---
11AX40SISO	Ant1	2422	37.625	2403.2871	2440.9121	---	---
		2437	37.530	2418.3237	2455.8537	---	---
		2452	37.562	2433.3524	2470.9144	---	---

Test Graphs

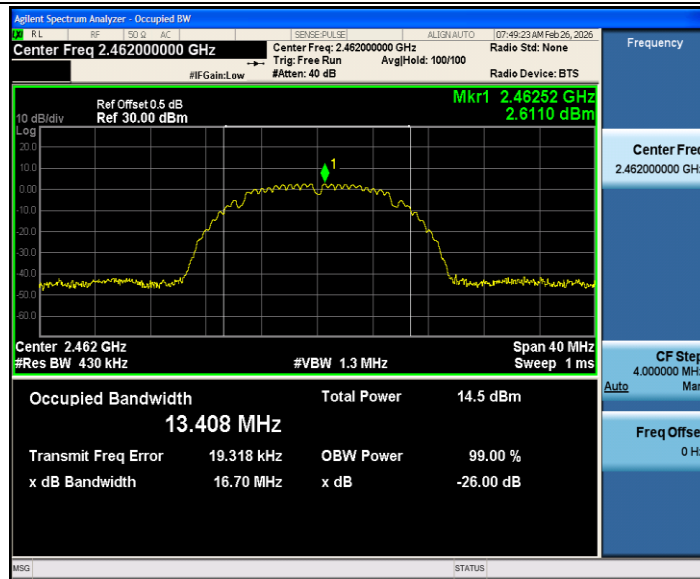
11B_Ant1_2412



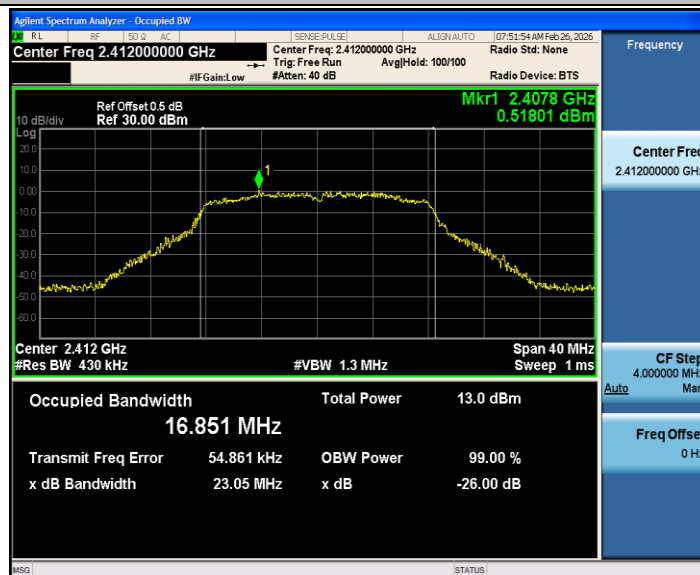
11B_Ant1_2437



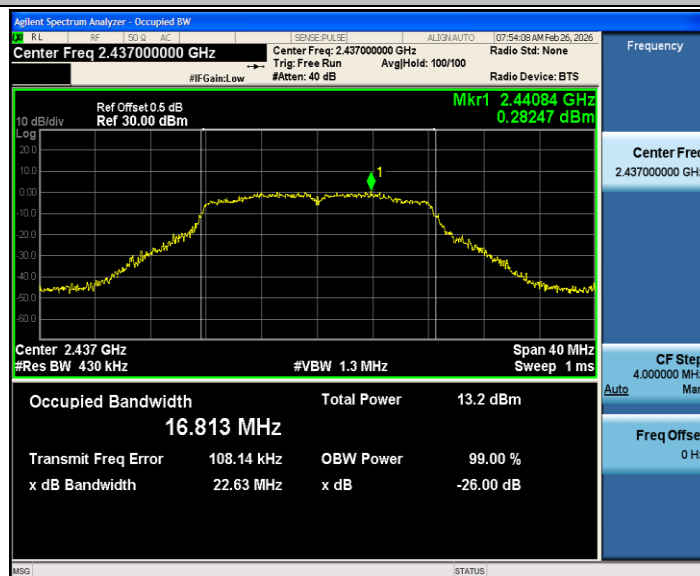
11B_Ant1_2462



11G_Ant1_2412



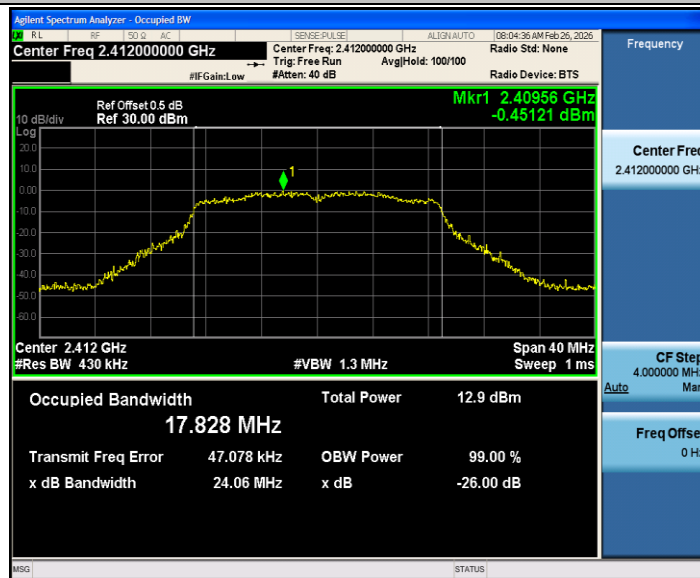
11G_Ant1_2437



11G_Ant1_2462



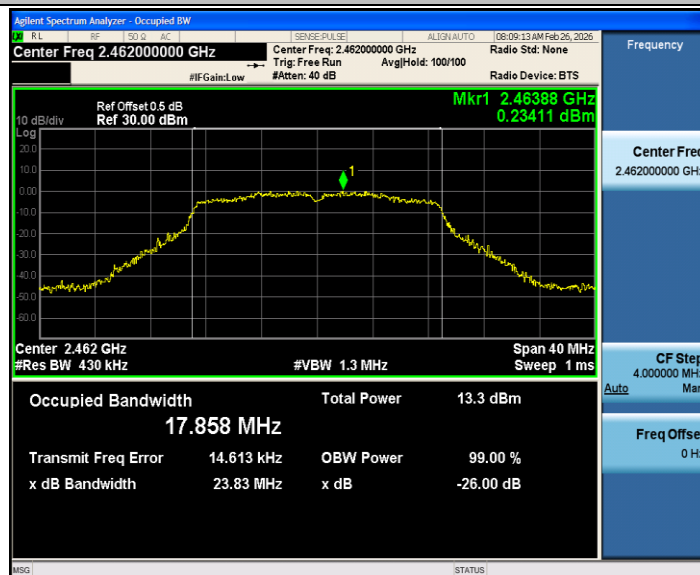
11N20SISO_Ant1_2412



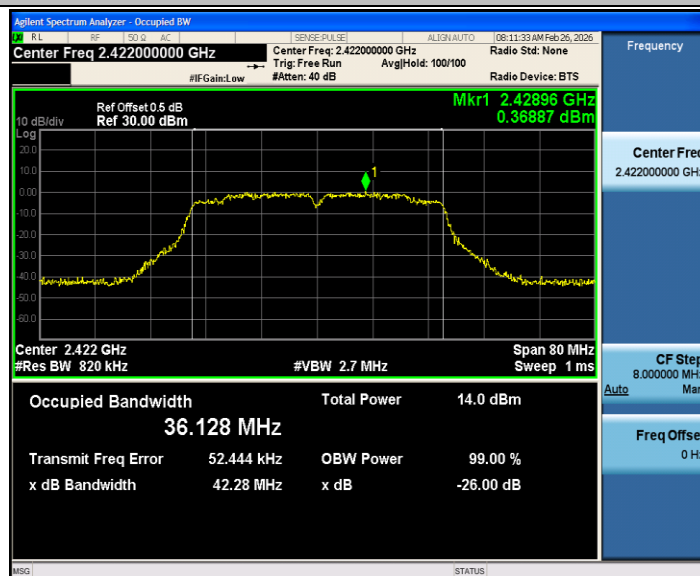
11N20SISO_Ant1_2437



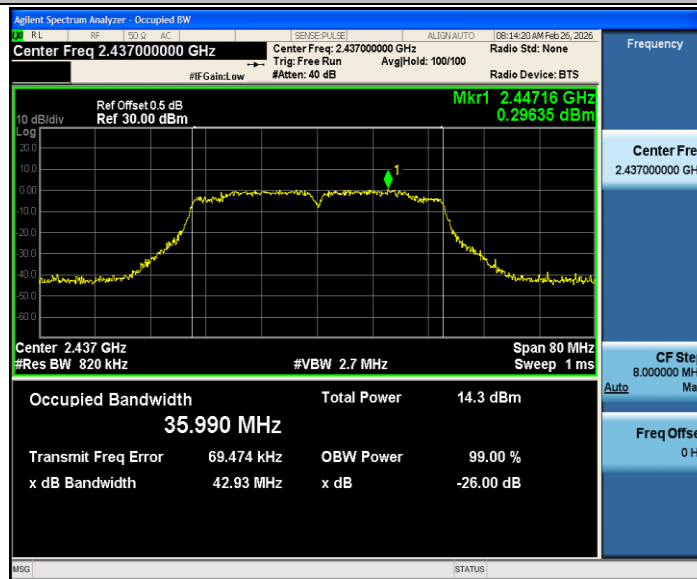
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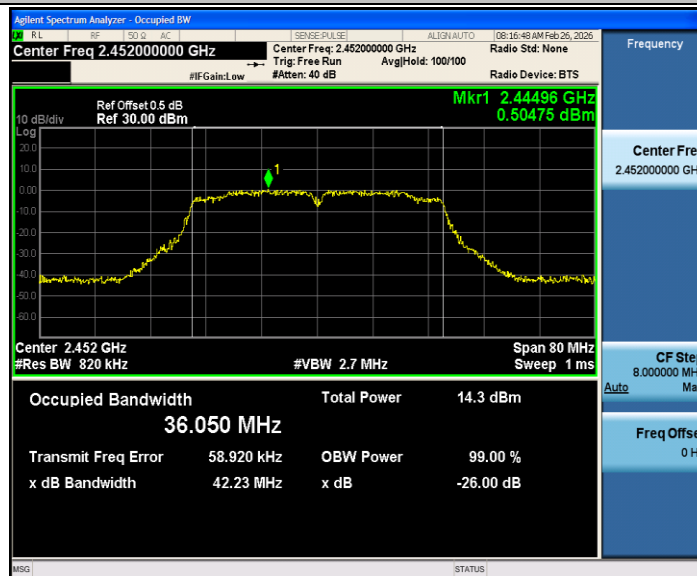
11N40SISO_Ant1_2422



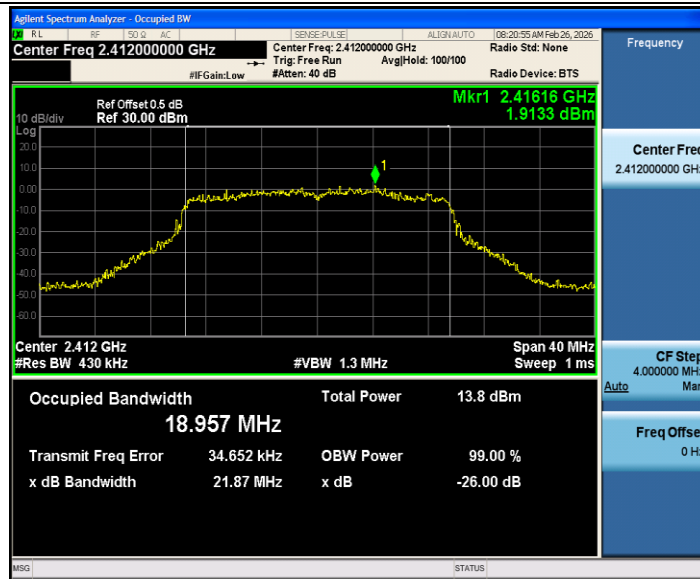
11N40SISO_Ant1_2437



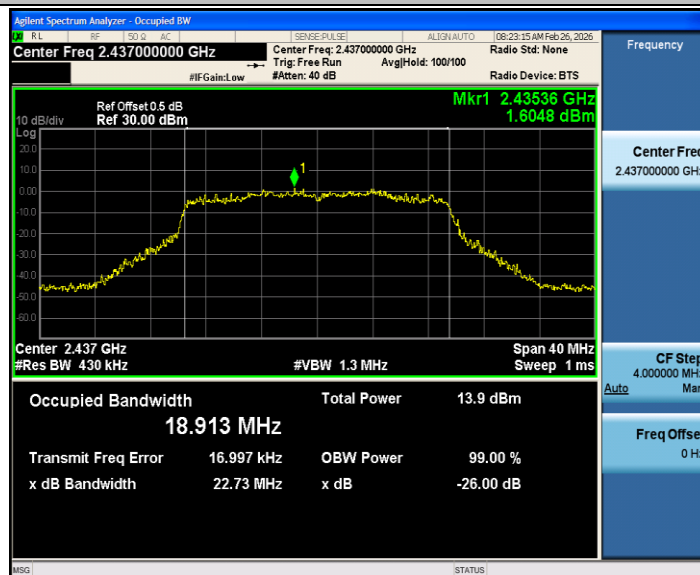
11N40SISO_Ant1_2452



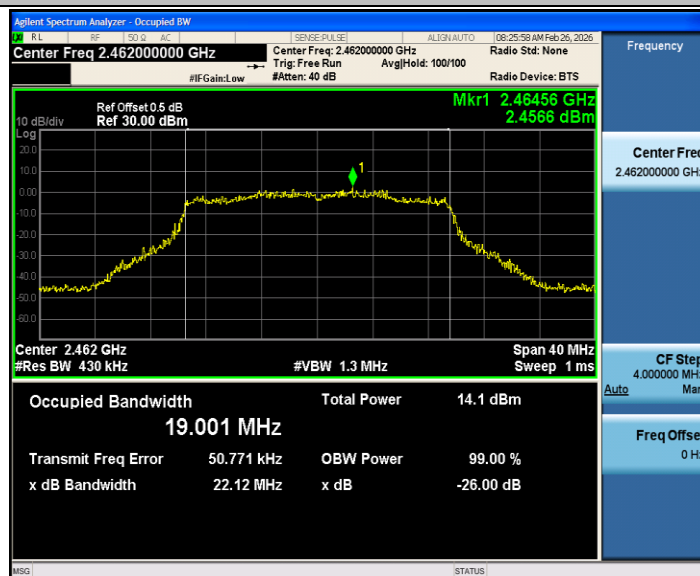
11AX20SISO_Ant1_2412



11AX20SISO_Ant1_2437



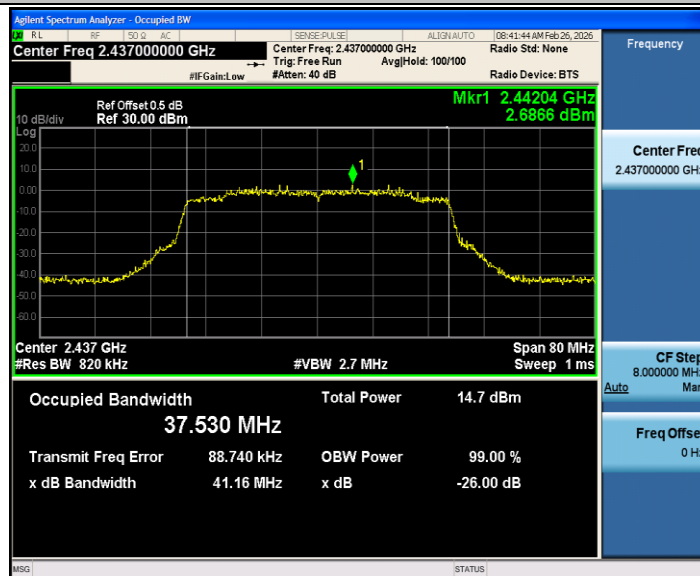
11AX20SISO_Ant1_2462



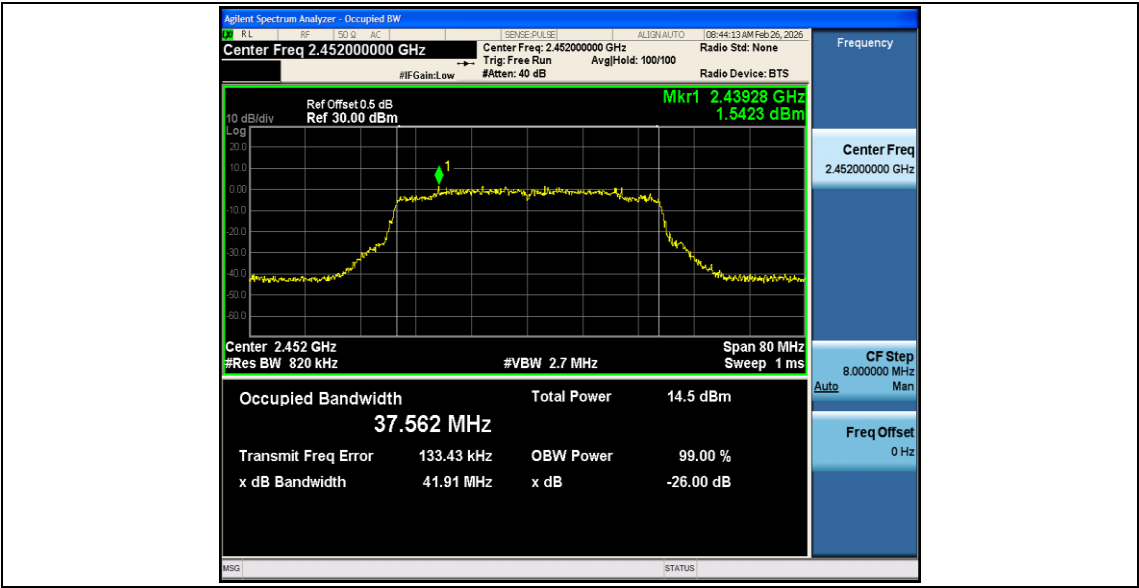
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	13.93	≤30.00	PASS
		2437	14.11	≤30.00	PASS
		2462	14.27	≤30.00	PASS
11G	Ant1	2412	13.94	≤30.00	PASS
		2437	14.05	≤30.00	PASS
		2462	14.23	≤30.00	PASS
11N20SISO	Ant1	2412	13.80	≤30.00	PASS
		2437	13.93	≤30.00	PASS
		2462	14.09	≤30.00	PASS
11N40SISO	Ant1	2422	14.17	≤30.00	PASS
		2437	14.44	≤30.00	PASS
		2452	14.47	≤30.00	PASS
11AX20SISO	Ant1	2412	14.24	≤30.00	PASS
		2437	14.52	≤30.00	PASS
		2462	14.62	≤30.00	PASS
11AX40SISO	Ant1	2422	14.16	≤30.00	PASS
		2437	14.57	≤30.00	PASS
		2452	14.63	≤30.00	PASS

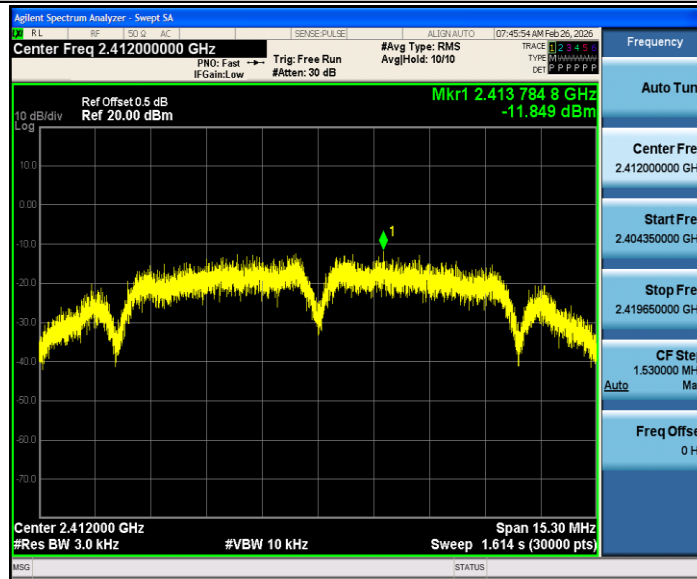
Appendix D: Maximum power spectral density

Test Result

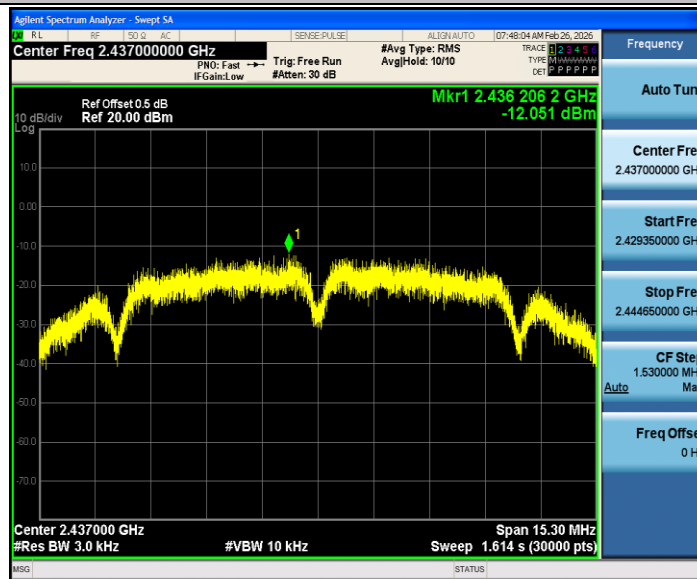
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-11.85	≤8.00	PASS
		2437	-12.05	≤8.00	PASS
		2462	-12.12	≤8.00	PASS
11G	Ant1	2412	-17.55	≤8.00	PASS
		2437	-17.08	≤8.00	PASS
		2462	-16.88	≤8.00	PASS
11N20SISO	Ant1	2412	-16.92	≤8.00	PASS
		2437	-17.07	≤8.00	PASS
		2462	-16.86	≤8.00	PASS
11N40SISO	Ant1	2422	-20.28	≤8.00	PASS
		2437	-19.99	≤8.00	PASS
		2452	-19.98	≤8.00	PASS
11AX20SISO	Ant1	2412	-18.71	≤8.00	PASS
		2437	-18.09	≤8.00	PASS
		2462	-18.87	≤8.00	PASS
11AX40SISO	Ant1	2422	-22.16	≤8.00	PASS
		2437	-20.82	≤8.00	PASS
		2452	-21.40	≤8.00	PASS

Test Graphs

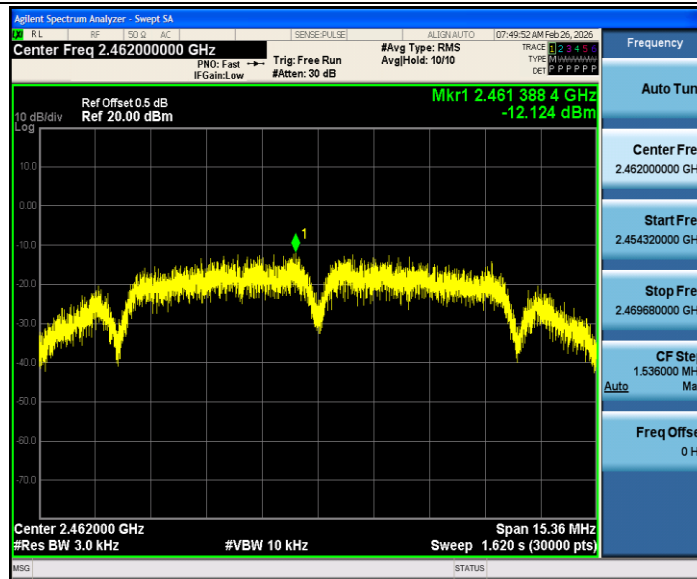
11B_Ant1_2412



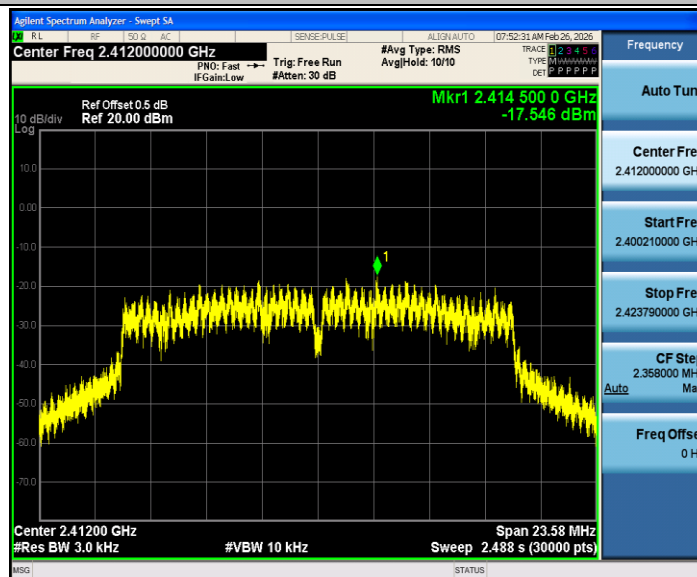
11B_Ant1_2437



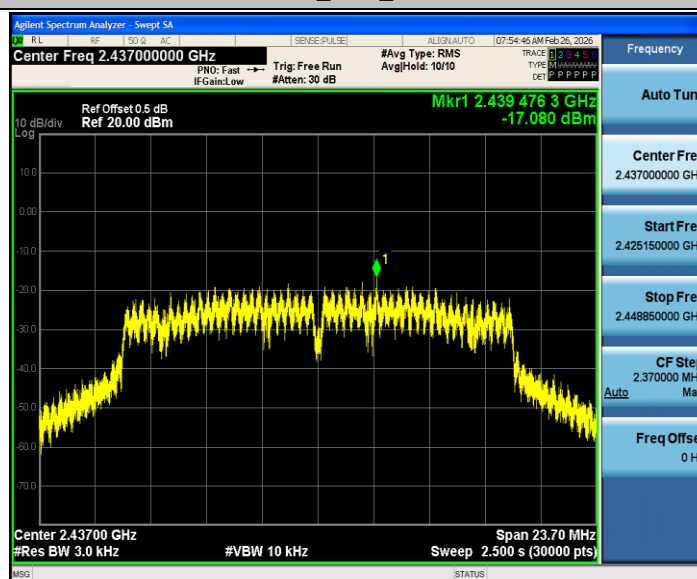
11B_Ant1_2462



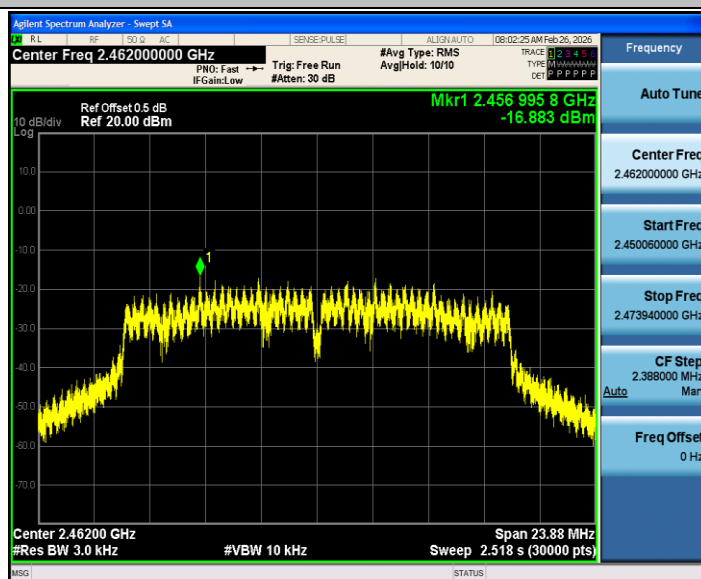
11G_Ant1_2412



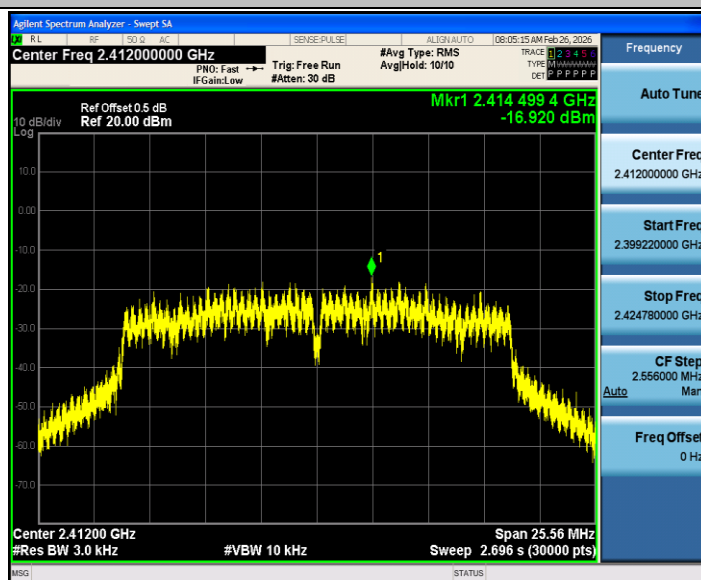
11G_Ant1_2437



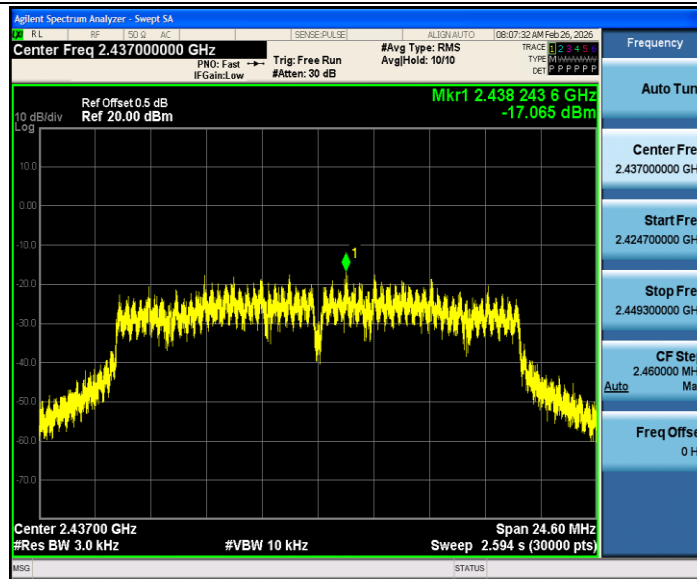
11G_Ant1_2462



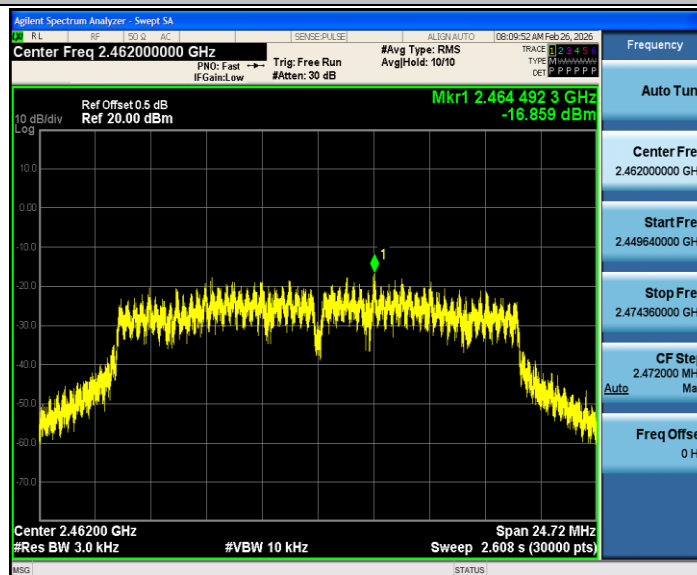
11N20SISO_Ant1_2412



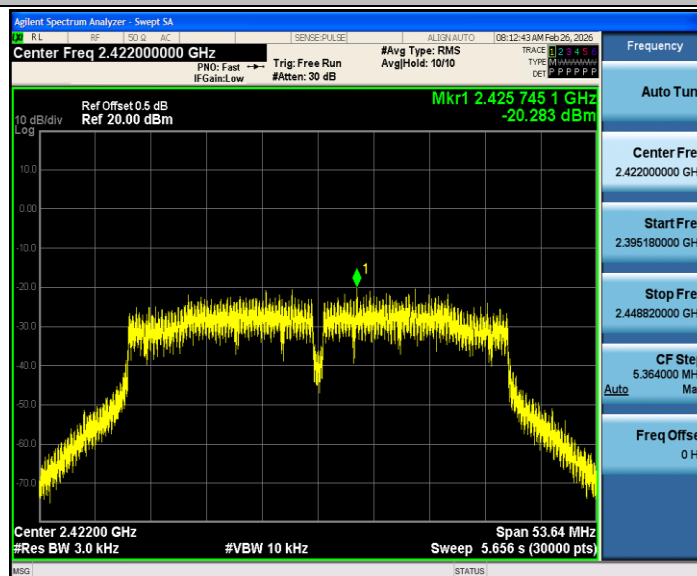
11N20SISO_Ant1_2437



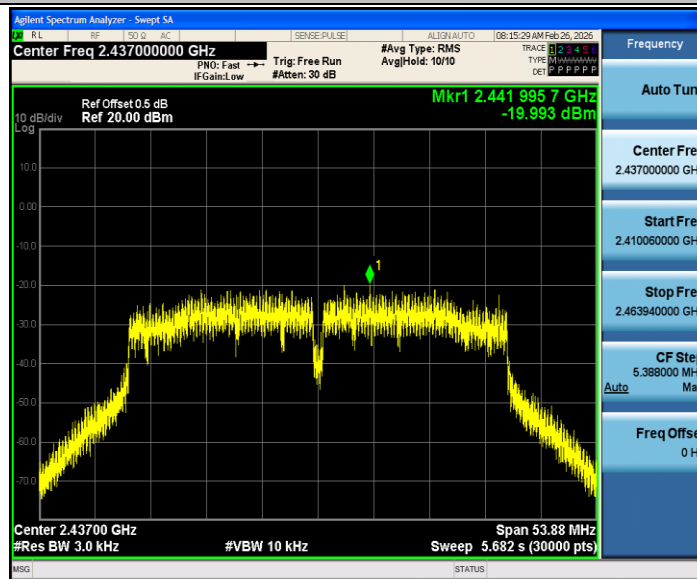
11N20SISO_Ant1_2462



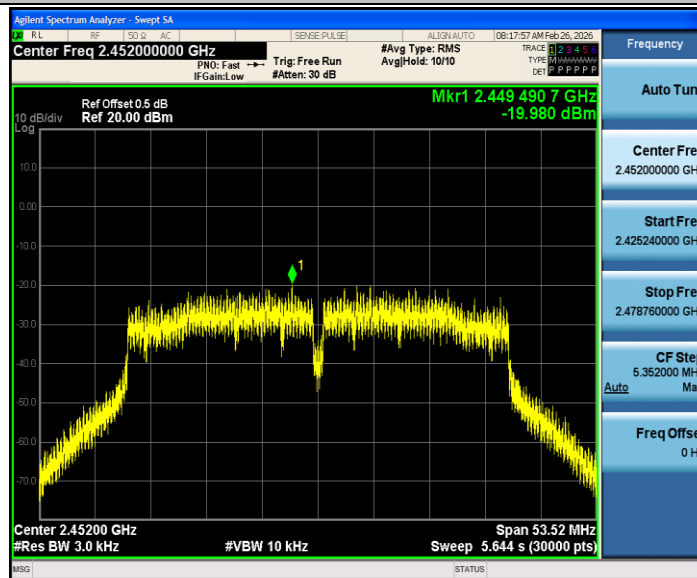
11N40SISO_Ant1_2422



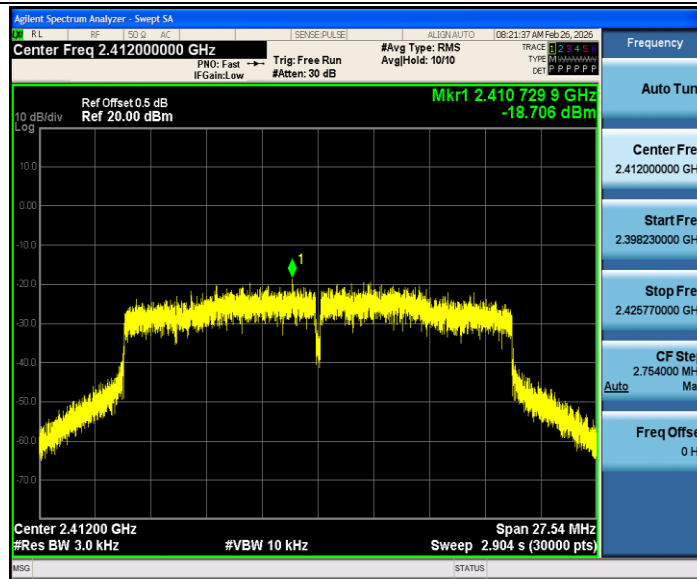
11N40SISO_Ant1_2437



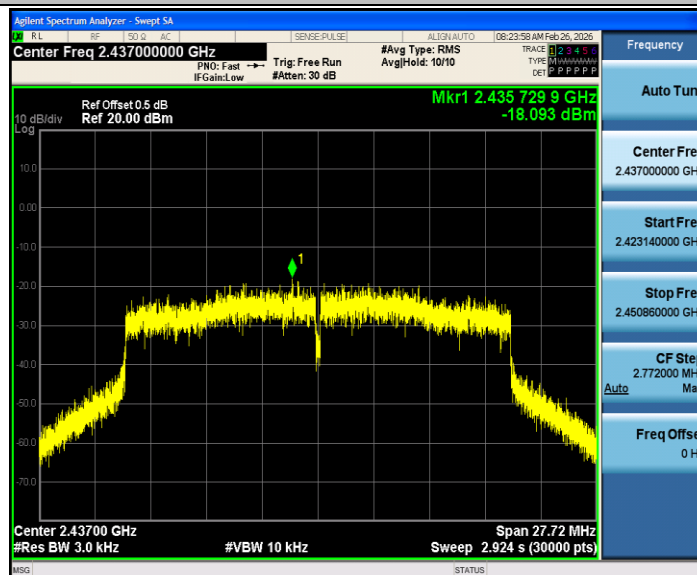
11N40SISO_Ant1_2452



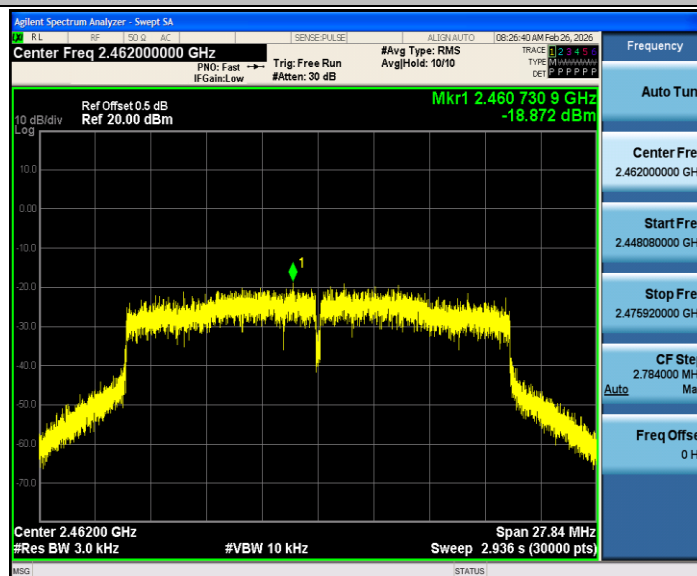
11AX20SISO_Ant1_2412



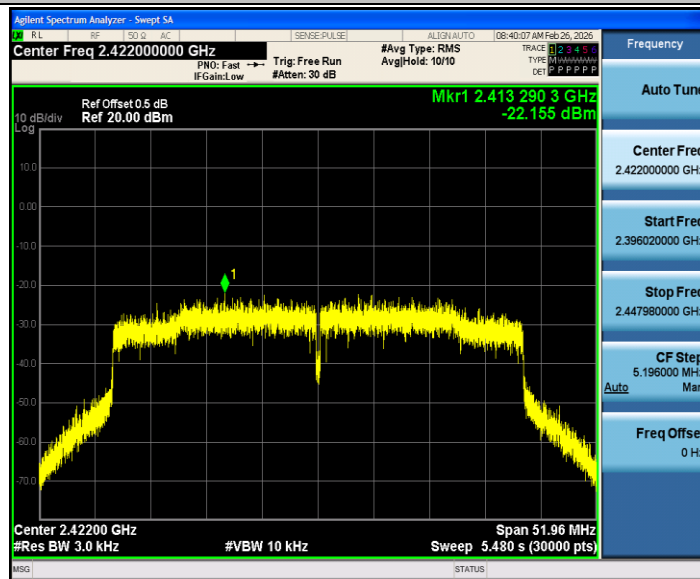
11AX20SISO_Ant1_2437



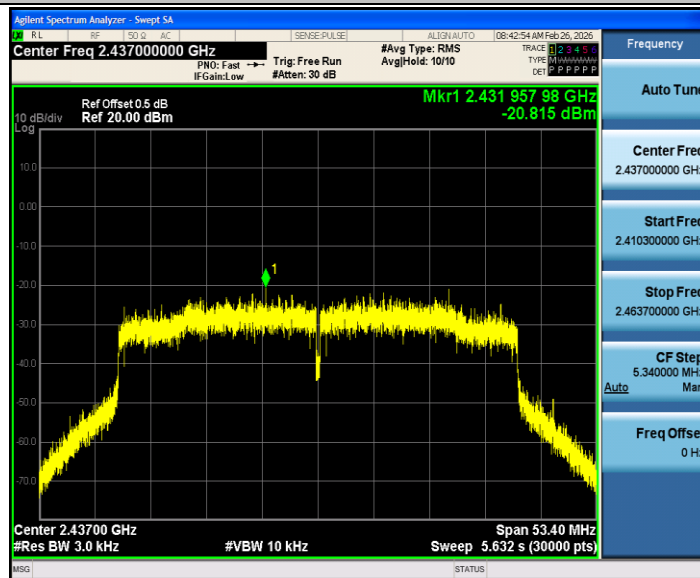
11AX20SISO_Ant1_2462



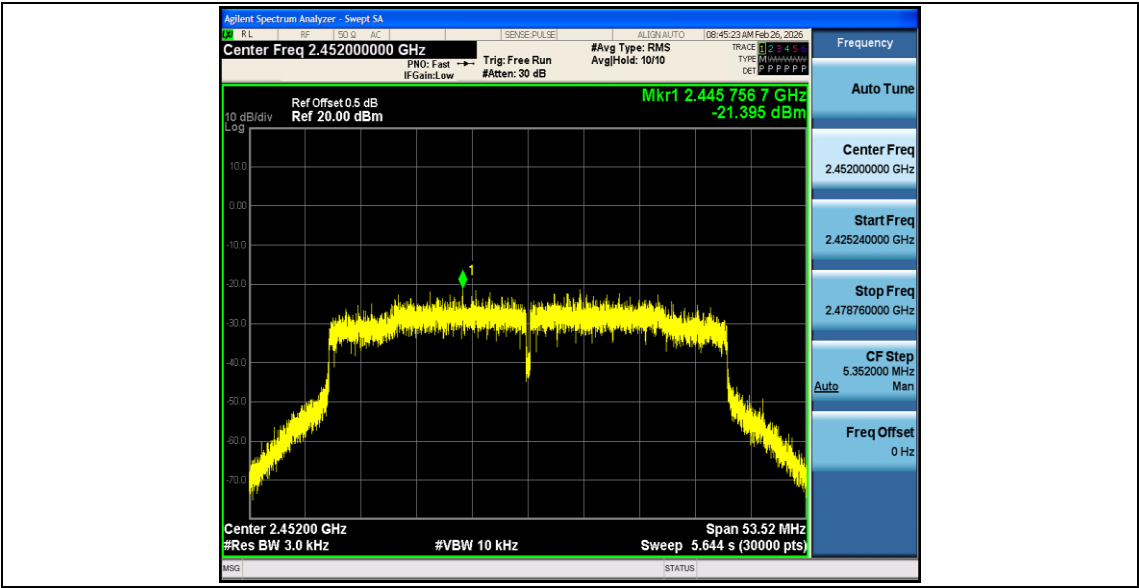
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



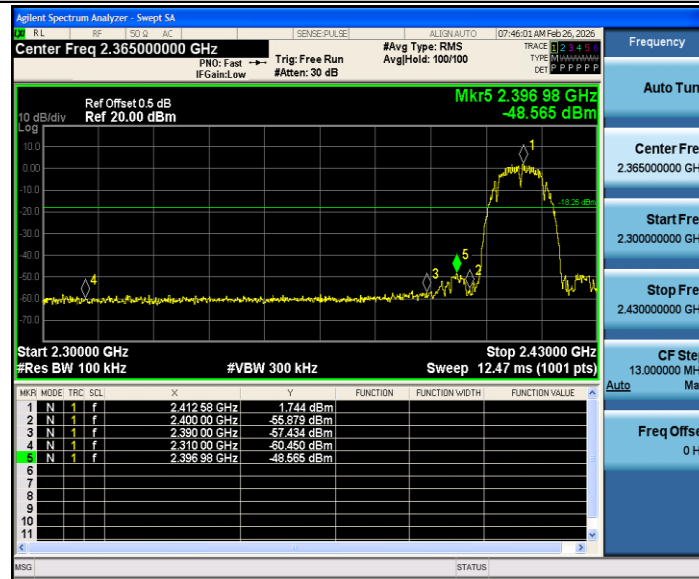
Appendix E: Band edge measurements

Test Result

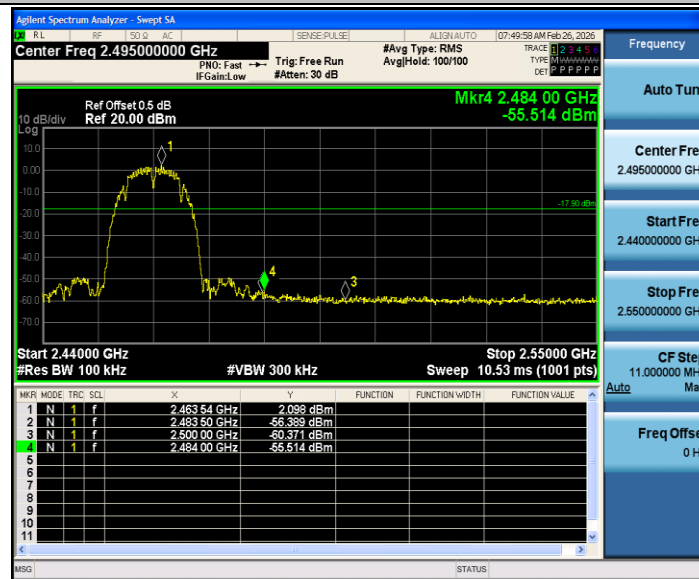
TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	1.74	-48.57	≤-18.26	PASS
		High	2462	2.10	-55.51	≤-17.9	PASS
11G	Ant1	Low	2412	-2.54	-35	≤-22.54	PASS
		High	2462	-2.41	-57.47	≤-22.41	PASS
11N20SISO	Ant1	Low	2412	-2.45	-34.72	≤-22.45	PASS
		High	2462	-2.24	-56.72	≤-22.24	PASS
11N40SISO	Ant1	Low	2422	-5.85	-33.89	≤-25.85	PASS
		High	2452	-5.40	-56.81	≤-25.4	PASS
11AX20SISO	Ant1	Low	2412	-2.84	-32.87	≤-22.84	PASS
		High	2462	-2.93	-57.43	≤-22.93	PASS
11AX40SISO	Ant1	Low	2422	-6.20	-35.3	≤-26.2	PASS
		High	2452	-6.05	-56.11	≤-26.05	PASS

Test Graphs

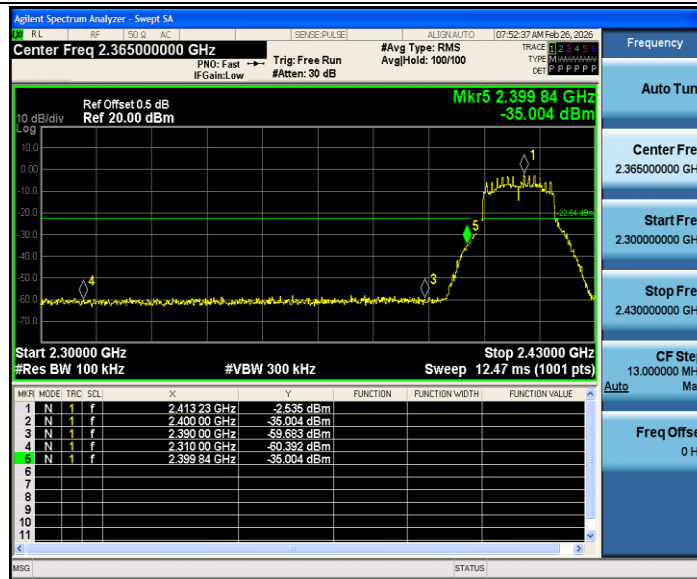
11B_Ant1_Low_2412



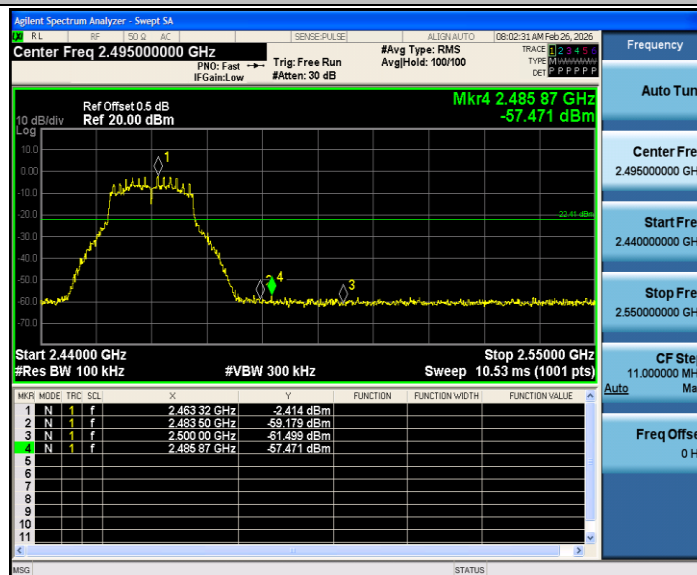
11B_Ant1_High_2462



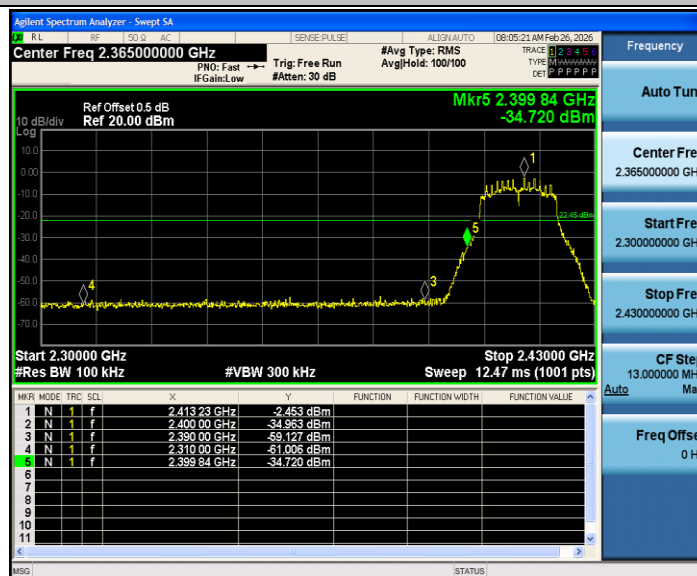
11G_Ant1_Low_2412



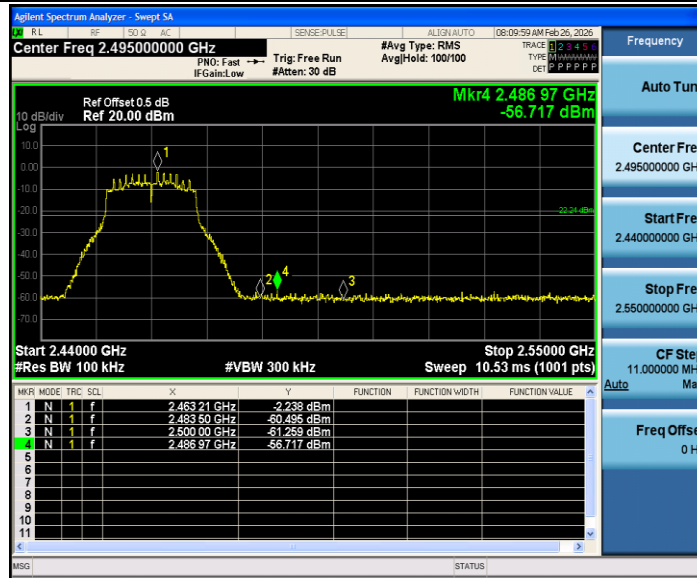
11G_Ant1_High_2462



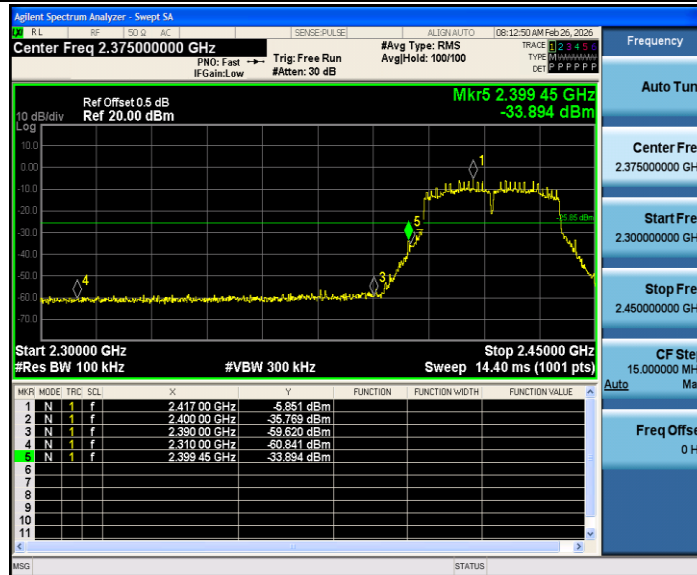
11N20SISO_Ant1_Low_2412



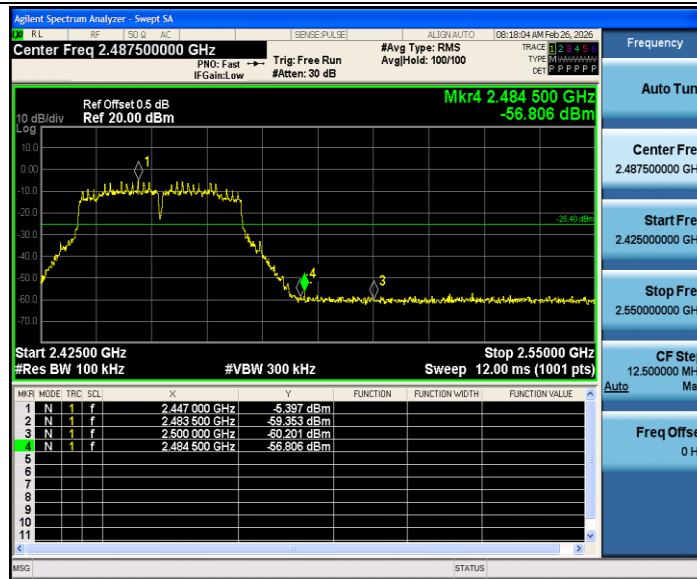
11N20SISO_Ant1_High_2462



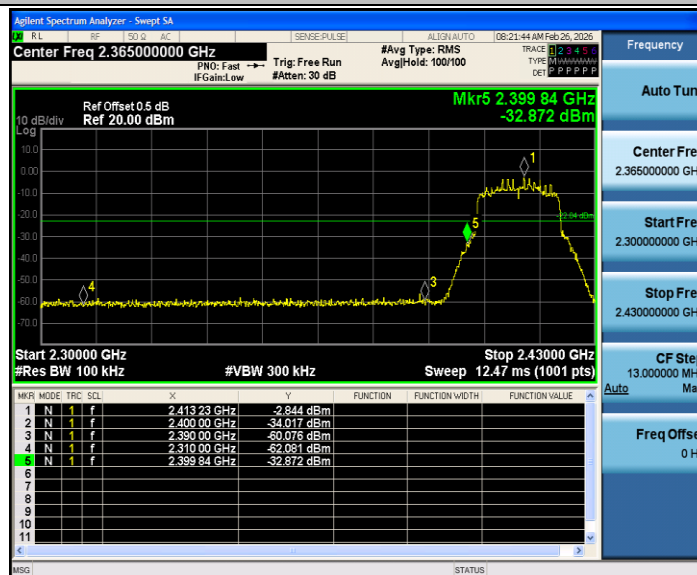
11N40SISO_Ant1_Low_2422



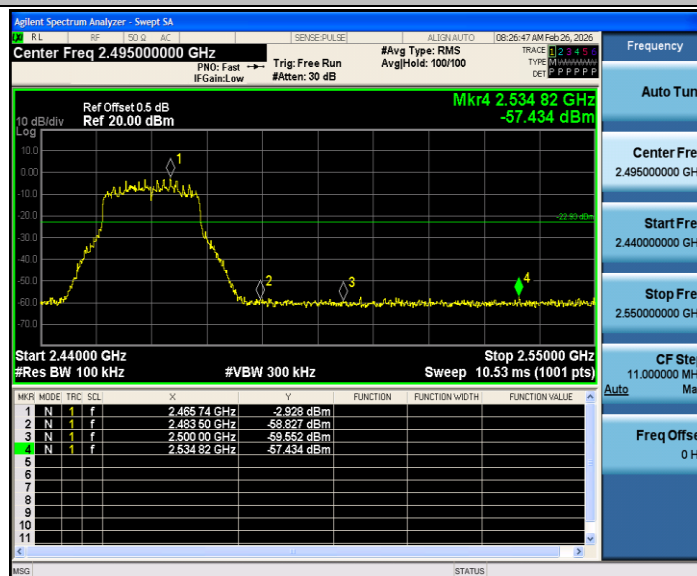
11N40SISO_Ant1_High_2452



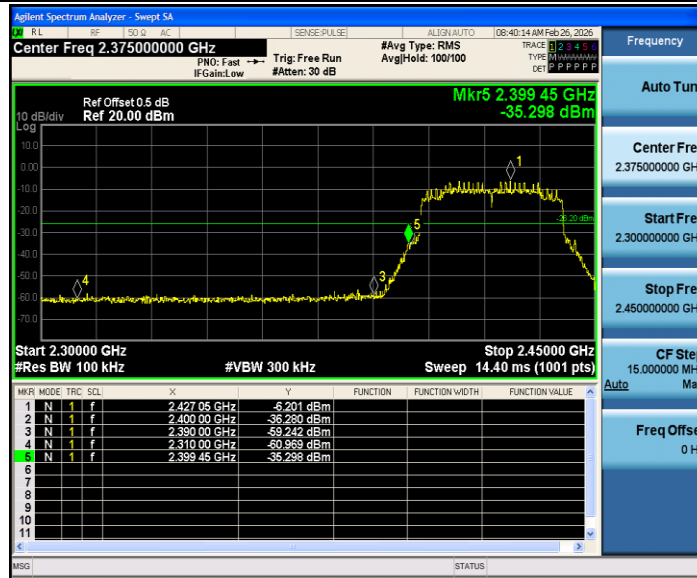
11AX20SISO_Ant1_Low_2412



11AX20SISO_Ant1_High_2462



11AX40SISO_Ant1_Low_2422



11AX40SISO_Ant1_High_2452

