

FCC Appendix RF Test Data for 2.4GWIFI

FCC ID : 2A7BZ-N1360

Company : Shenzhen HMY Technology Co., Ltd .

EUT : IP Camera

Model Number : N1360

Report No. : CTA25122600701

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	10.240	2406.920	2417.160	0.5	PASS
		2437	10.200	2431.920	2442.120	0.5	PASS
		2462	10.240	2456.920	2467.160	0.5	PASS
11G	Ant1	2412	15.680	2404.280	2419.960	0.5	PASS
		2437	15.680	2429.200	2444.880	0.5	PASS
		2462	15.760	2454.080	2469.840	0.5	PASS
11N20SISO	Ant1	2412	16.920	2403.640	2420.560	0.5	PASS
		2437	16.840	2428.760	2445.600	0.5	PASS
		2462	17.120	2453.480	2470.600	0.5	PASS
11N40SISO	Ant1	2422	35.600	2404.240	2439.840	0.5	PASS
		2437	35.600	2419.480	2455.080	0.5	PASS
		2452	35.600	2434.320	2469.920	0.5	PASS
11AX20SISO	Ant1	2412	18.840	2402.640	2421.480	0.5	PASS
		2437	18.360	2427.640	2446.000	0.5	PASS
		2462	18.840	2452.640	2471.480	0.5	PASS
11AX40SISO	Ant1	2422	36.560	2403.280	2439.840	0.5	PASS
		2437	35.120	2418.920	2454.040	0.5	PASS
		2452	33.840	2437.040	2470.880	0.5	PASS

Test Graphs

11B_Ant1_2412



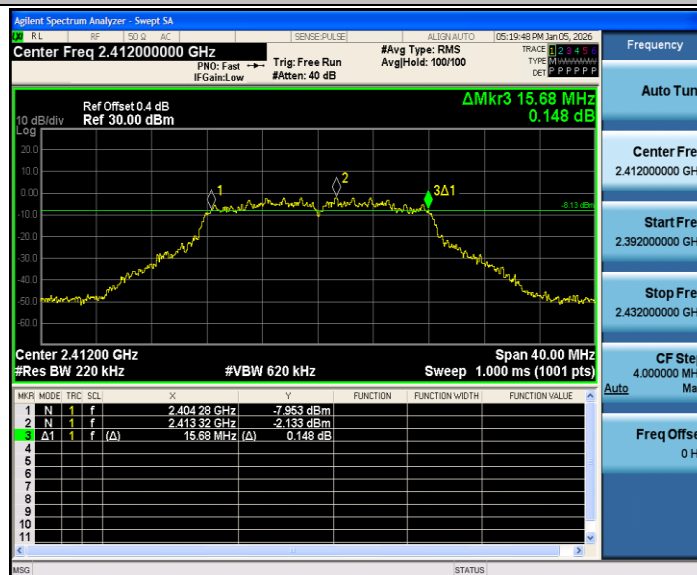
11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



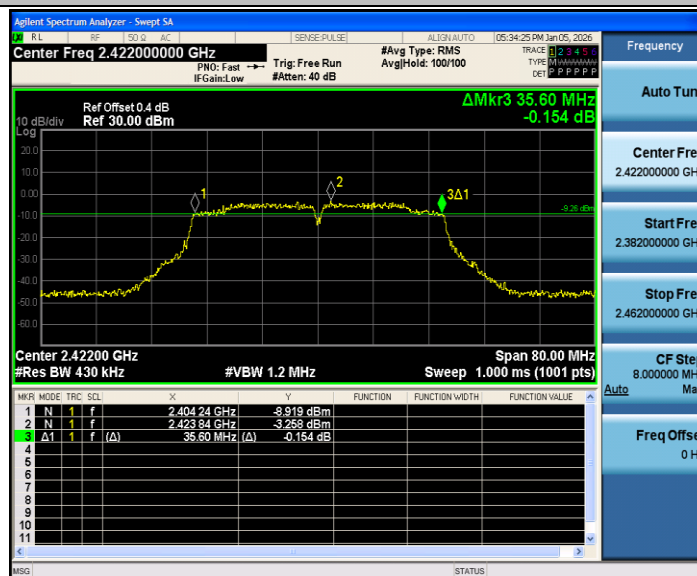
11N20SISO_Ant1_2437



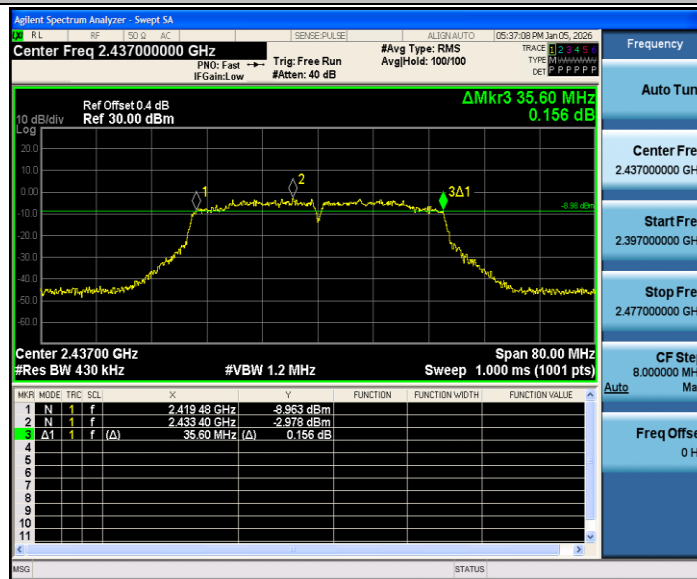
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



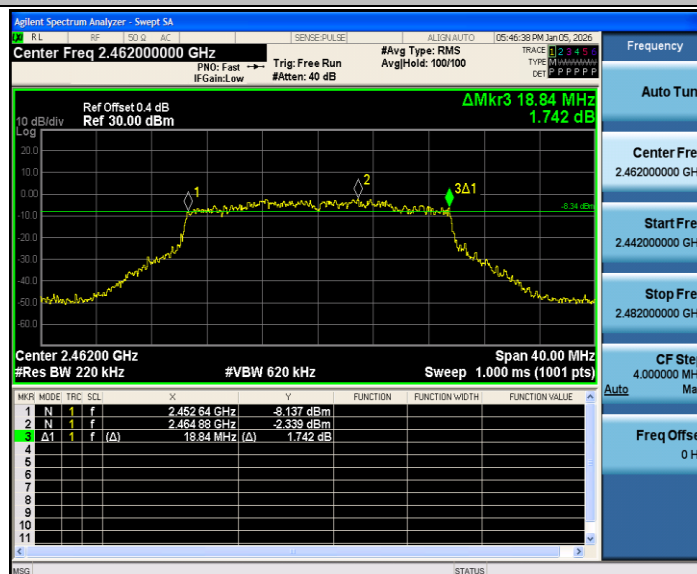
11AX20SISO_Ant1_2412



11AX20SISO_Ant1_2437



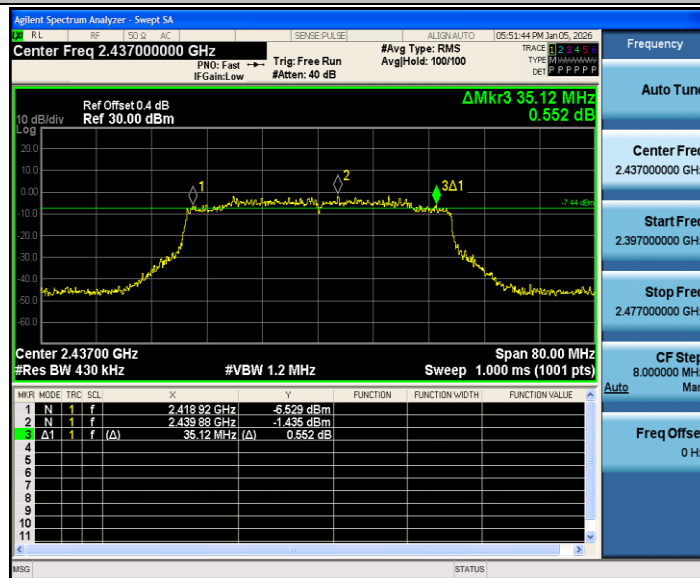
11AX20SISO_Ant1_2462



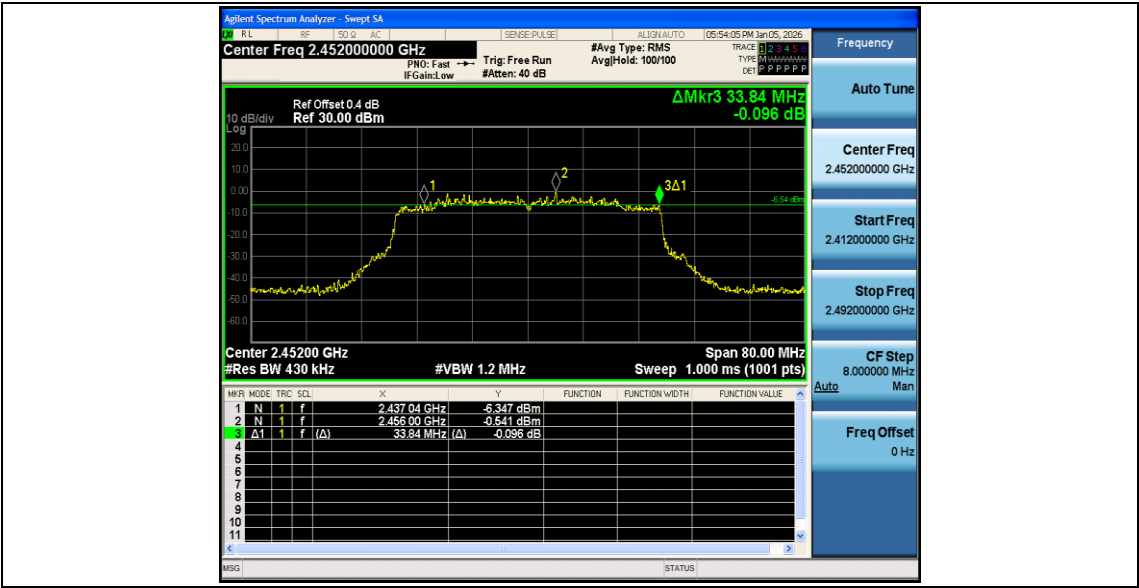
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



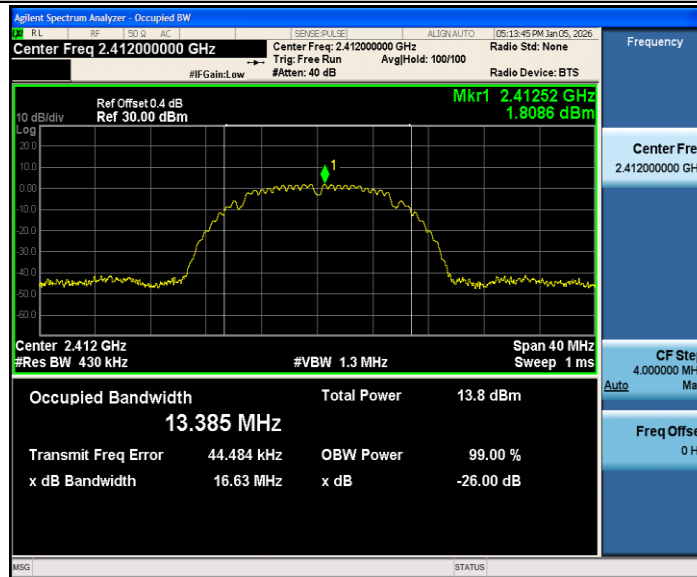
Appendix B: Occupied Channel Bandwidth

Test Result

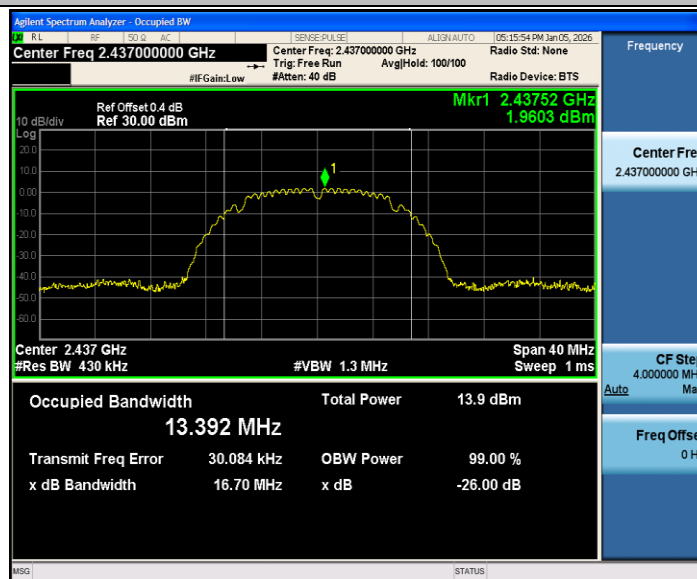
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.385	2405.3520	2418.7370	---	---
		2437	13.392	2430.3341	2443.7261	---	---
		2462	13.393	2455.3164	2468.7094	---	---
11G	Ant1	2412	16.806	2403.6778	2420.4838	---	---
		2437	16.851	2428.6228	2445.4738	---	---
		2462	16.823	2453.6514	2470.4744	---	---
11N20SISO	Ant1	2412	17.831	2403.1541	2420.9851	---	---
		2437	17.881	2428.0722	2445.9532	---	---
		2462	17.881	2453.0776	2470.9586	---	---
11N40SISO	Ant1	2422	36.062	2404.0484	2440.1104	---	---
		2437	36.040	2419.0615	2455.1015	---	---
		2452	36.027	2434.1024	2470.1294	---	---
11AX20SISO	Ant1	2412	18.882	2402.6010	2421.4830	---	---
		2437	18.929	2427.5822	2446.5112	---	---
		2462	18.945	2452.5481	2471.4931	---	---
11AX40SISO	Ant1	2422	37.560	2403.3322	2440.8922	---	---
		2437	37.542	2418.3452	2455.8872	---	---
		2452	37.594	2433.3149	2470.9089	---	---

Test Graphs

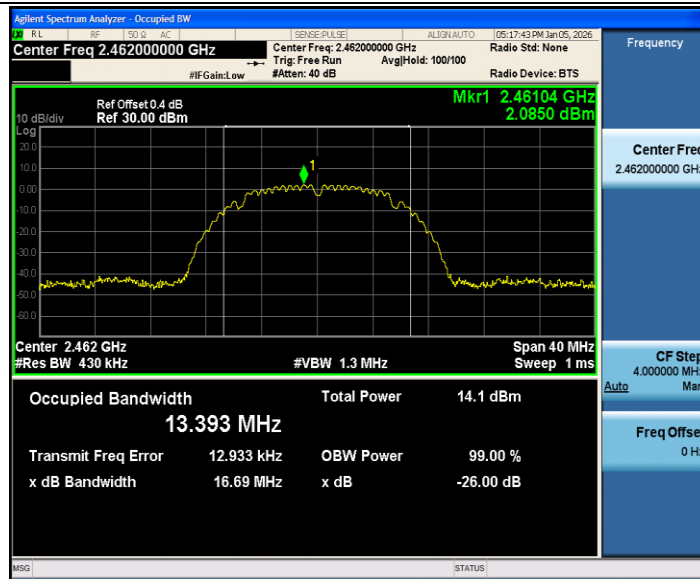
11B_Ant1_2412



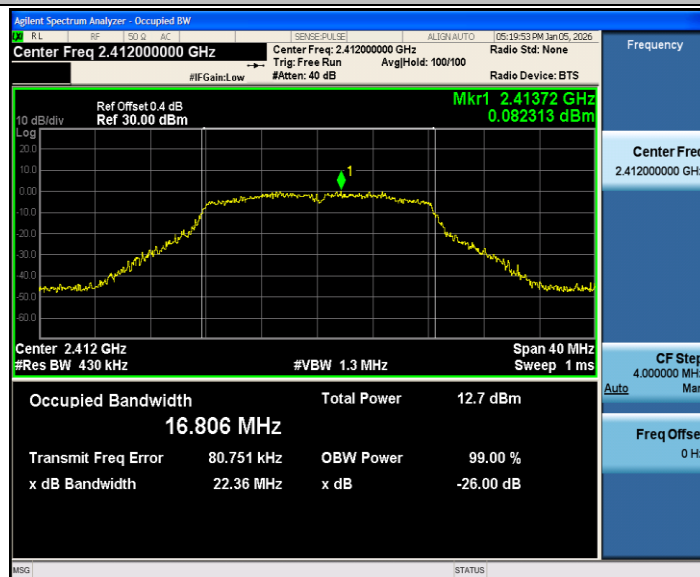
11B_Ant1_2437



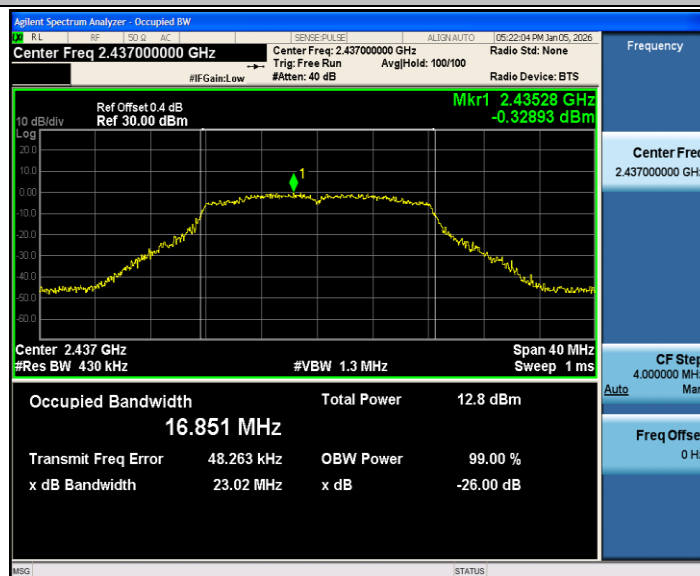
11B_Ant1_2462



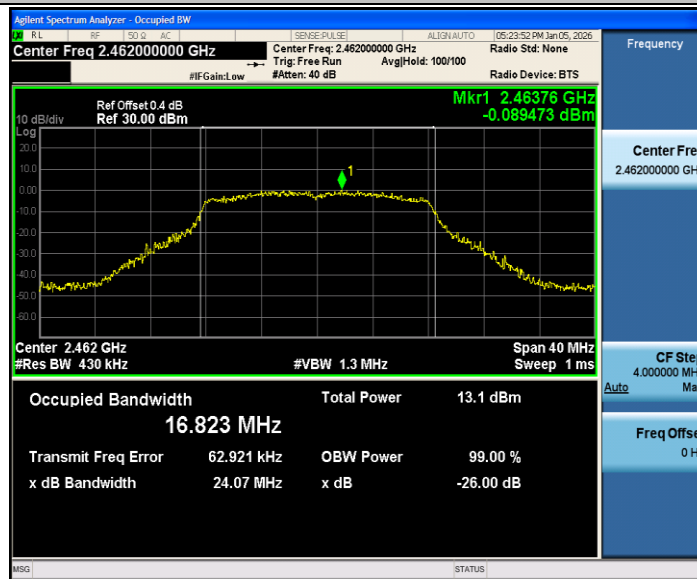
11G_Ant1_2412



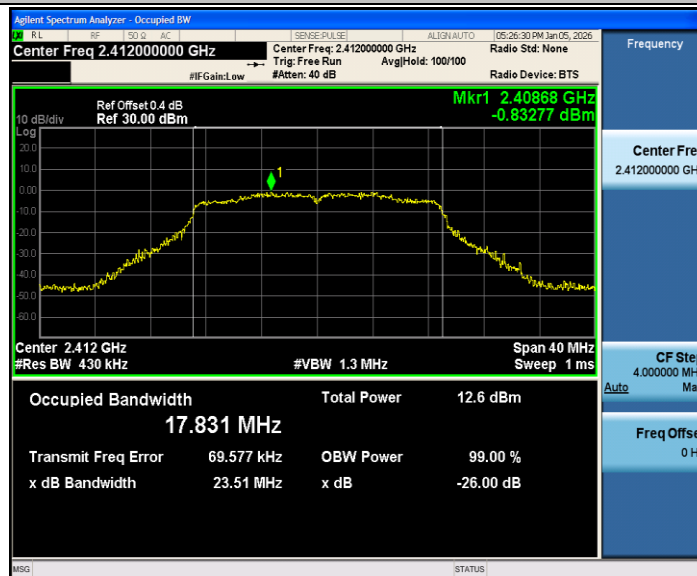
11G_Ant1_2437



11G_Ant1_2462



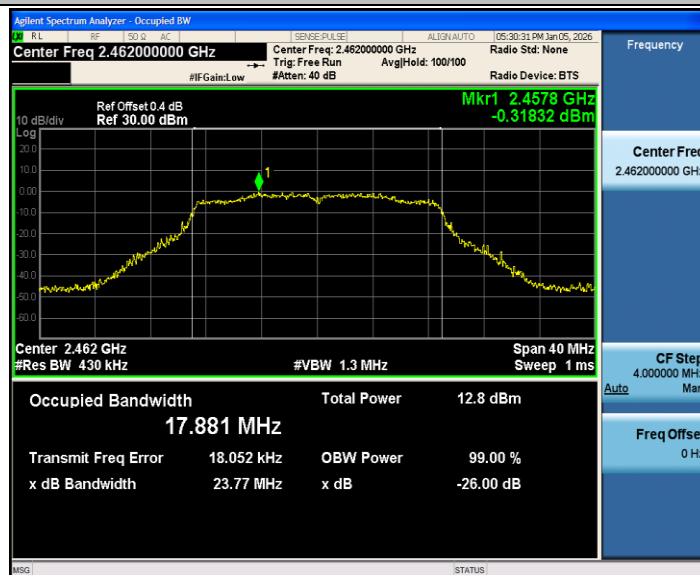
11N20SISO_Ant1_2412



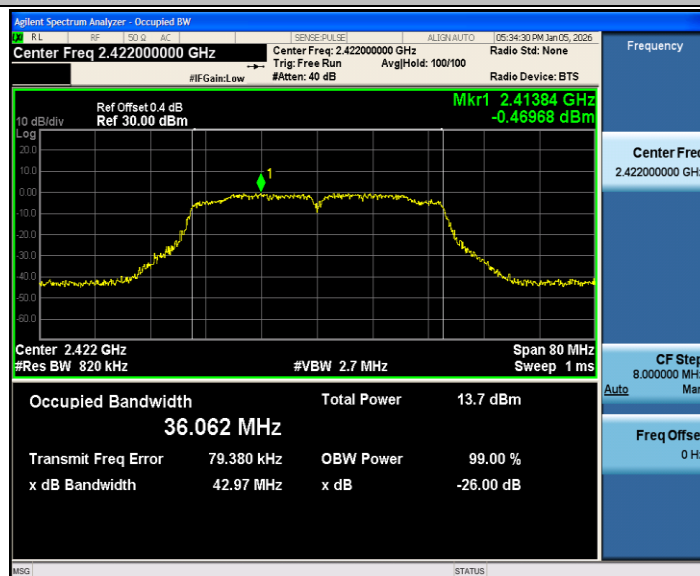
11N20SISO_Ant1_2437



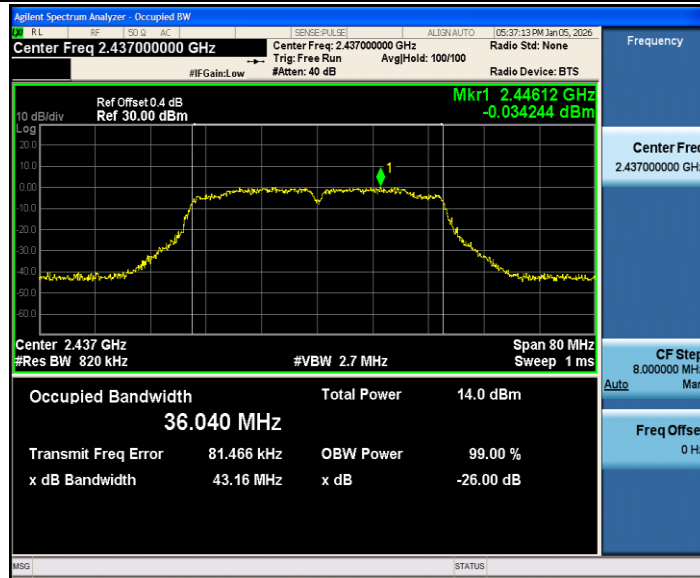
11N20SISO_Ant1_2462



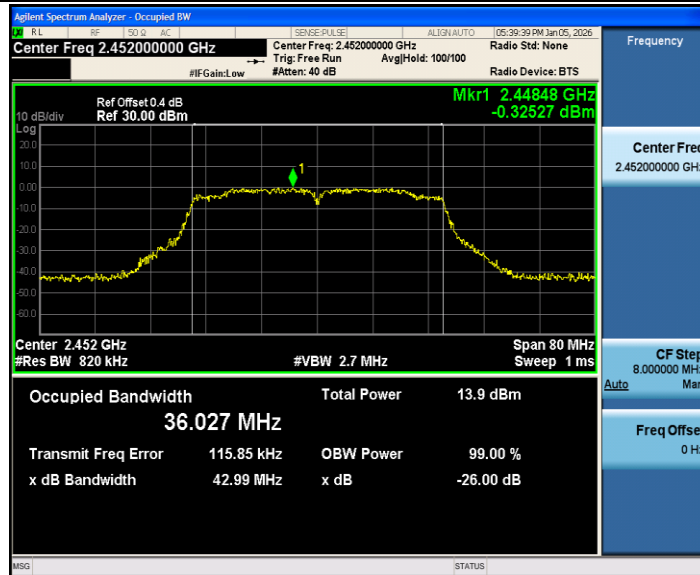
11N40SISO_Ant1_2422



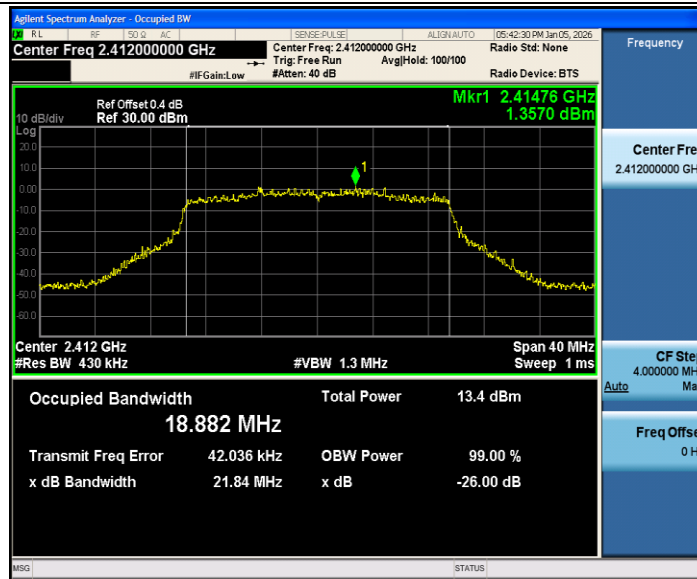
11N40SISO_Ant1_2437



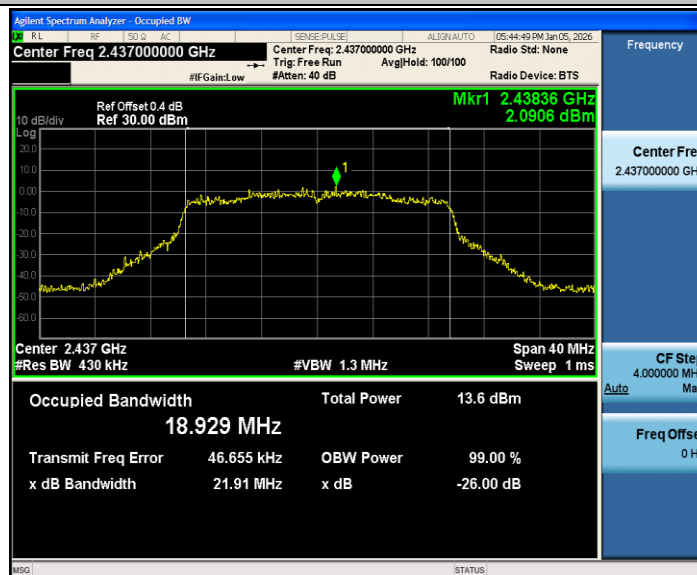
11N40SISO_Ant1_2452



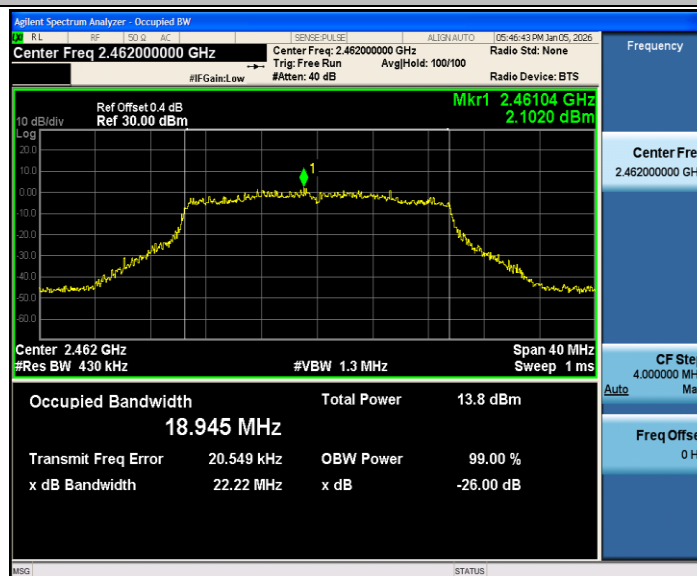
11AX20SISO_Ant1_2412



11AX20SISO_Ant1_2437



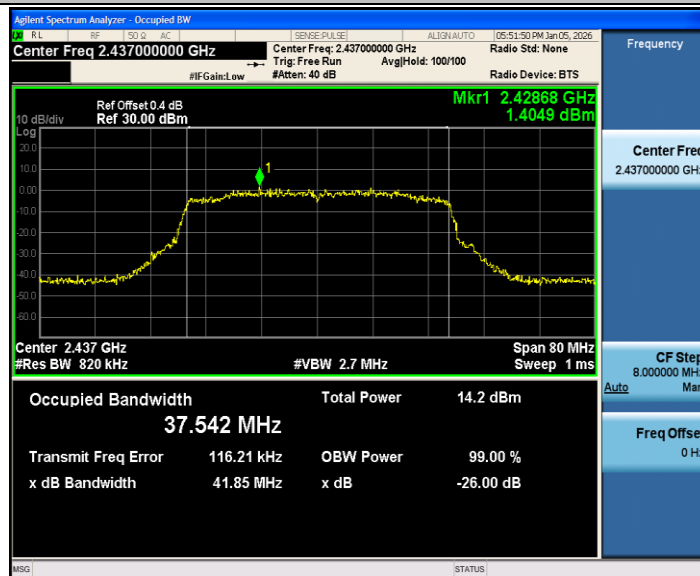
11AX20SISO_Ant1_2462



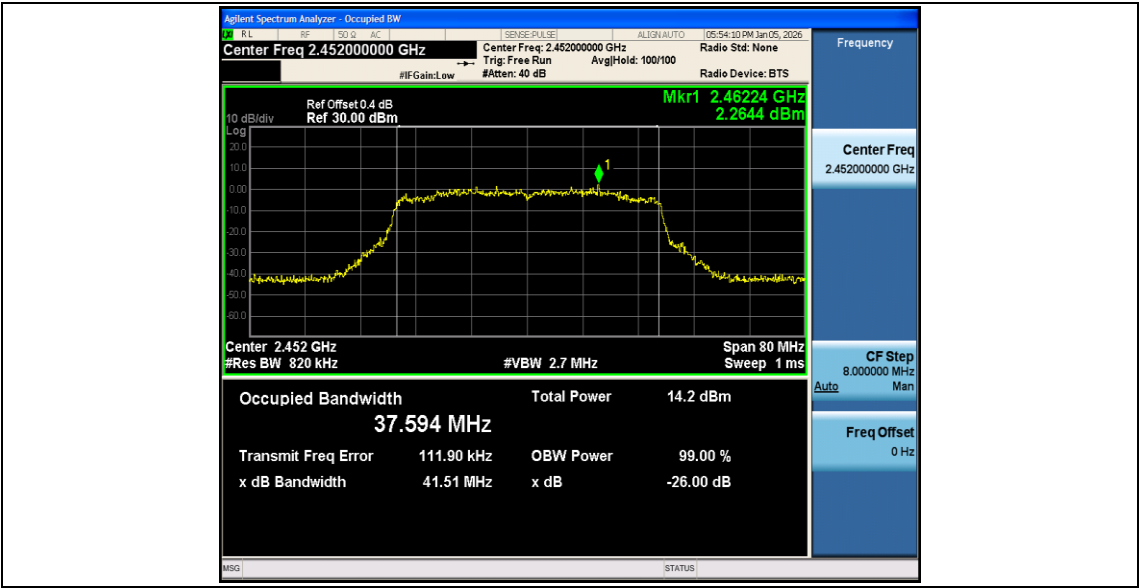
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	13.42	≤30.00	PASS
		2437	13.60	≤30.00	PASS
		2462	13.77	≤30.00	PASS
11G	Ant1	2412	13.48	≤30.00	PASS
		2437	13.82	≤30.00	PASS
		2462	13.94	≤30.00	PASS
11N20SISO	Ant1	2412	13.38	≤30.00	PASS
		2437	13.63	≤30.00	PASS
		2462	13.77	≤30.00	PASS
11N40SISO	Ant1	2422	13.76	≤30.00	PASS
		2437	14.06	≤30.00	PASS
		2452	14.02	≤30.00	PASS
11AX20SISO	Ant1	2412	13.85	≤30.00	PASS
		2437	13.94	≤30.00	PASS
		2462	14.24	≤30.00	PASS
11AX40SISO	Ant1	2422	13.90	≤30.00	PASS
		2437	14.10	≤30.00	PASS
		2452	13.98	≤30.00	PASS

Appendix D: Maximum power spectral density

Test Result

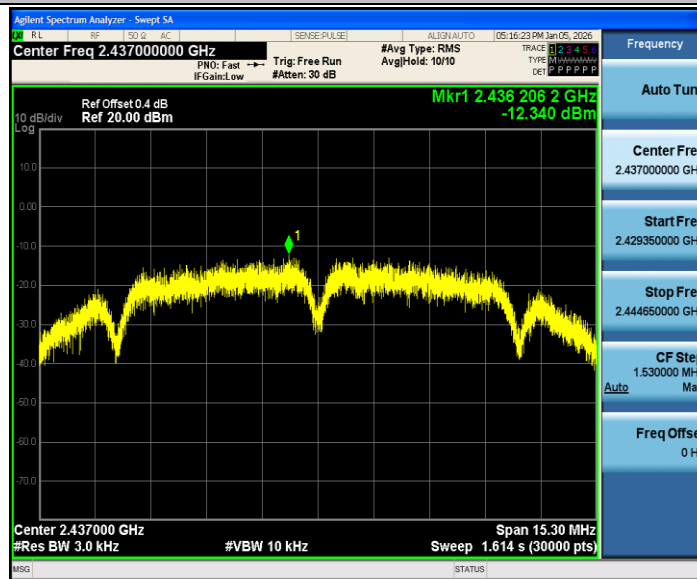
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-12.35	≤8.00	PASS
		2437	-12.34	≤8.00	PASS
		2462	-11.38	≤8.00	PASS
11G	Ant1	2412	-18.17	≤8.00	PASS
		2437	-17.49	≤8.00	PASS
		2462	-17.27	≤8.00	PASS
11N20SISO	Ant1	2412	-17.05	≤8.00	PASS
		2437	-18.47	≤8.00	PASS
		2462	-18.01	≤8.00	PASS
11N40SISO	Ant1	2422	-21.20	≤8.00	PASS
		2437	-20.60	≤8.00	PASS
		2452	-20.15	≤8.00	PASS
11AX20SISO	Ant1	2412	-19.59	≤8.00	PASS
		2437	-19.16	≤8.00	PASS
		2462	-19.29	≤8.00	PASS
11AX40SISO	Ant1	2422	-22.27	≤8.00	PASS
		2437	-21.65	≤8.00	PASS
		2452	-21.63	≤8.00	PASS

Test Graphs

11B_Ant1_2412



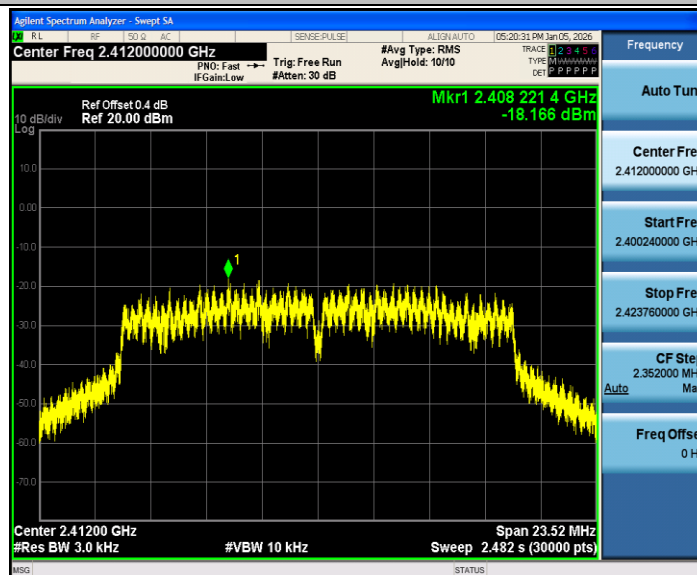
11B_Ant1_2437



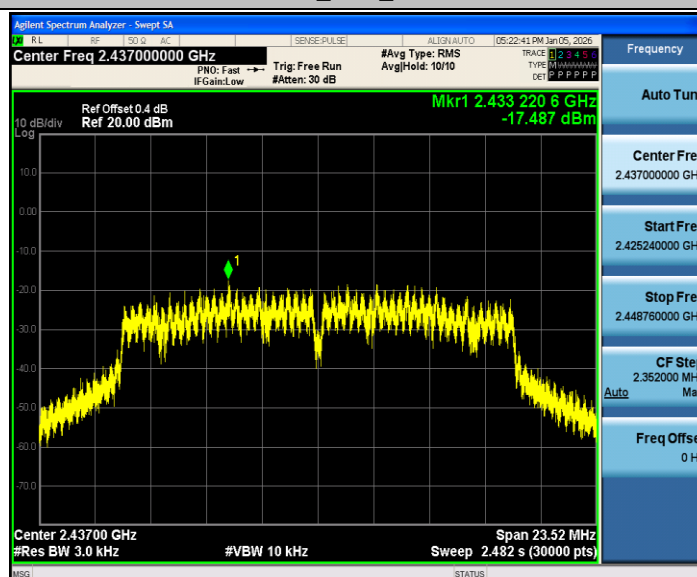
11B_Ant1_2462



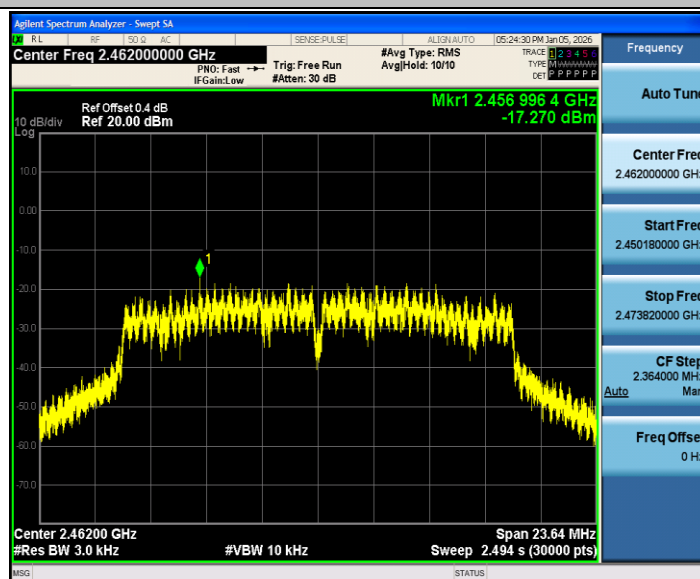
11G_Ant1_2412



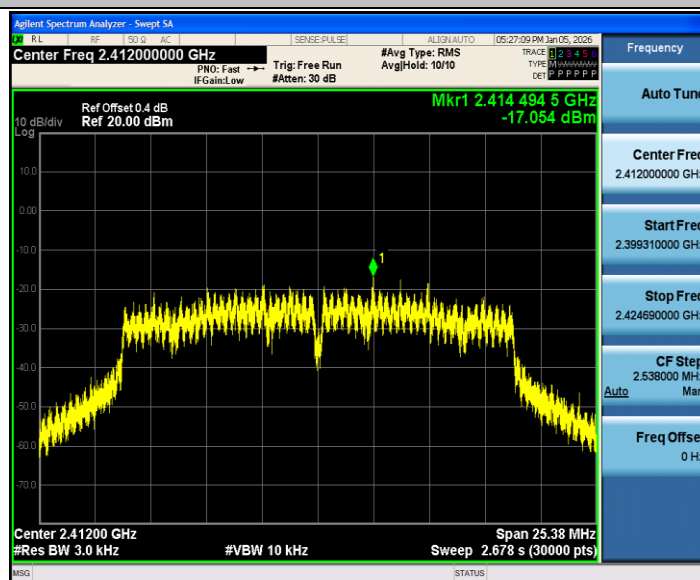
11G_Ant1_2437



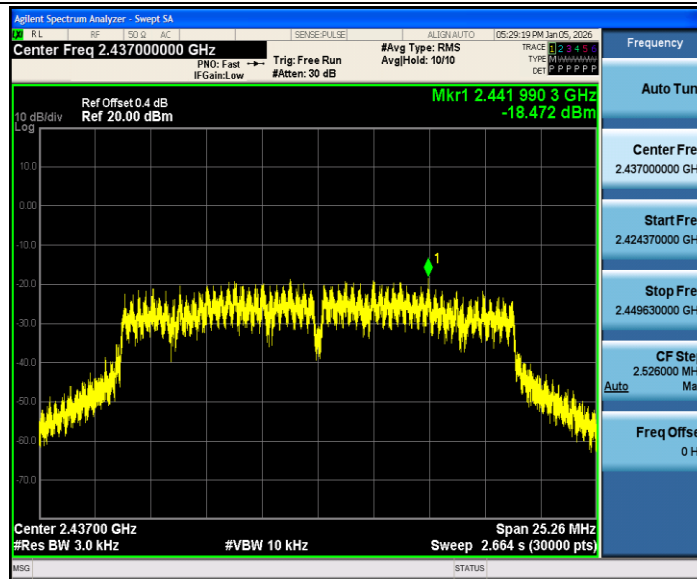
11G_Ant1_2462



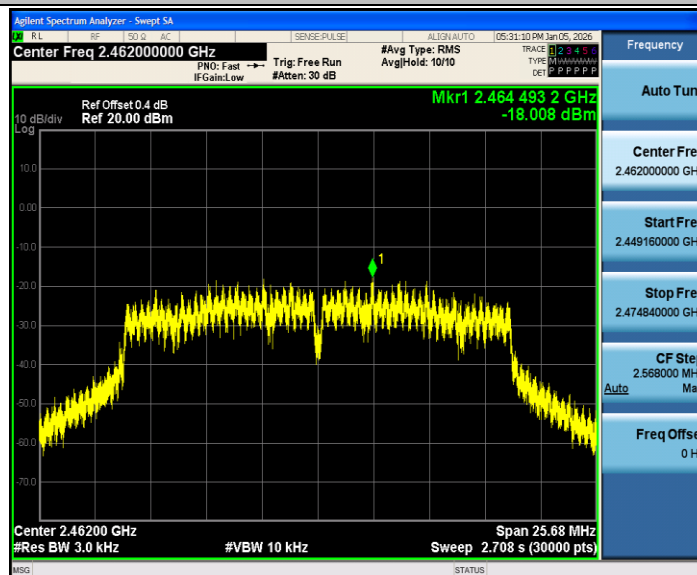
11N20SISO_Ant1_2412



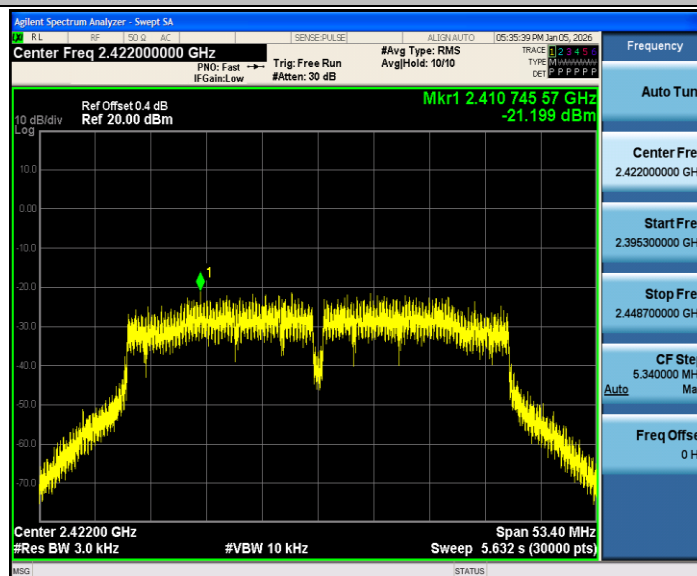
11N20SISO_Ant1_2437



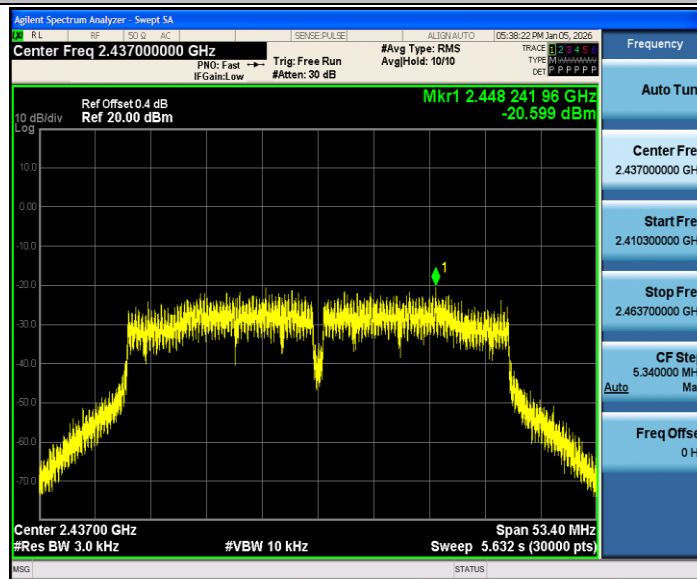
11N20SISO_Ant1_2462



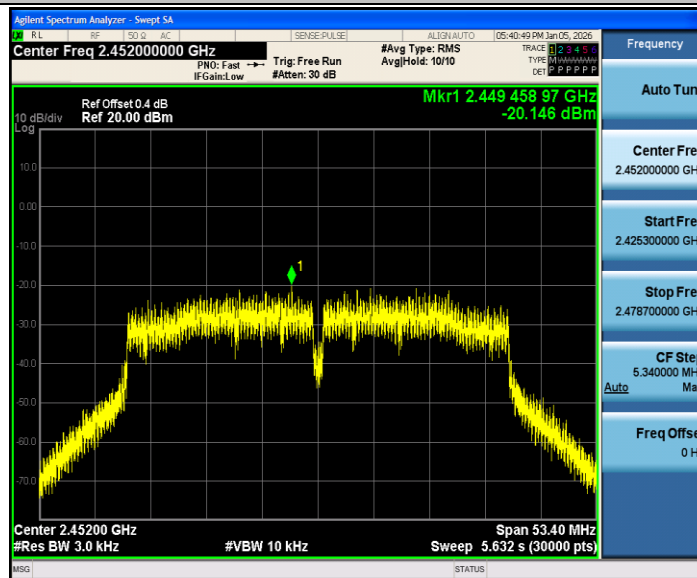
11N40SISO_Ant1_2422



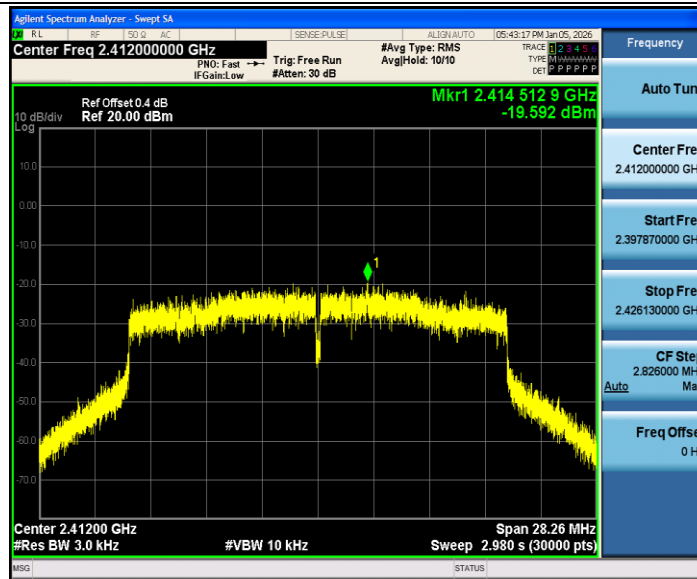
11N40SISO_Ant1_2437



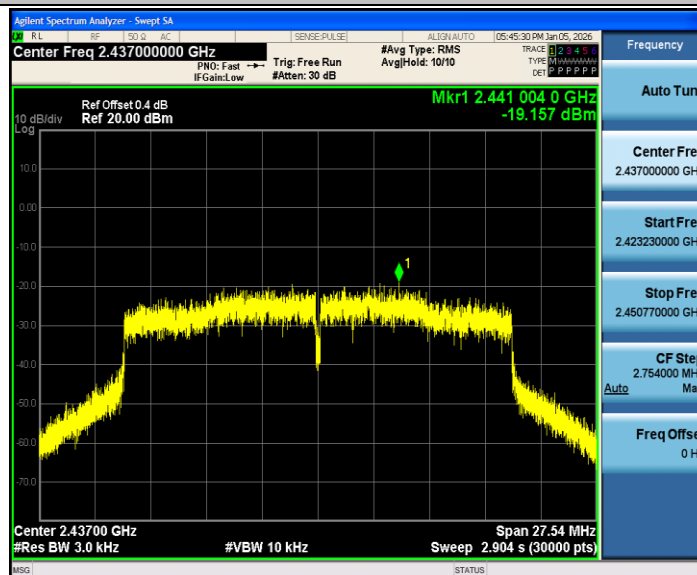
11N40SISO_Ant1_2452



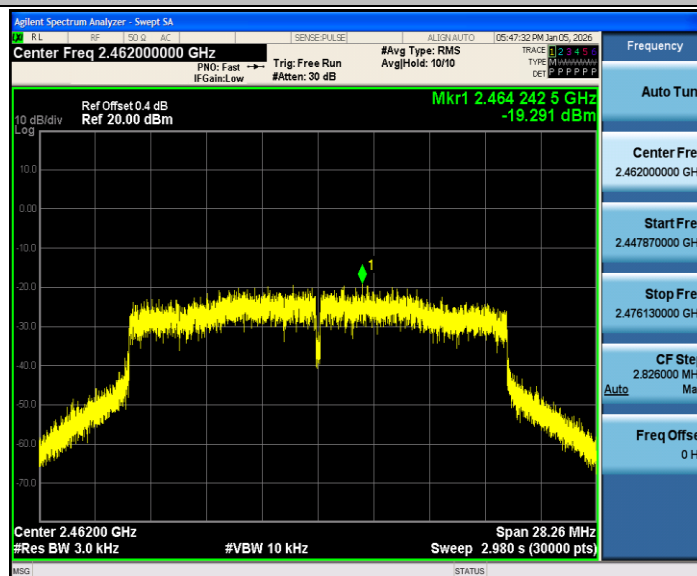
11AX20SISO_Ant1_2412



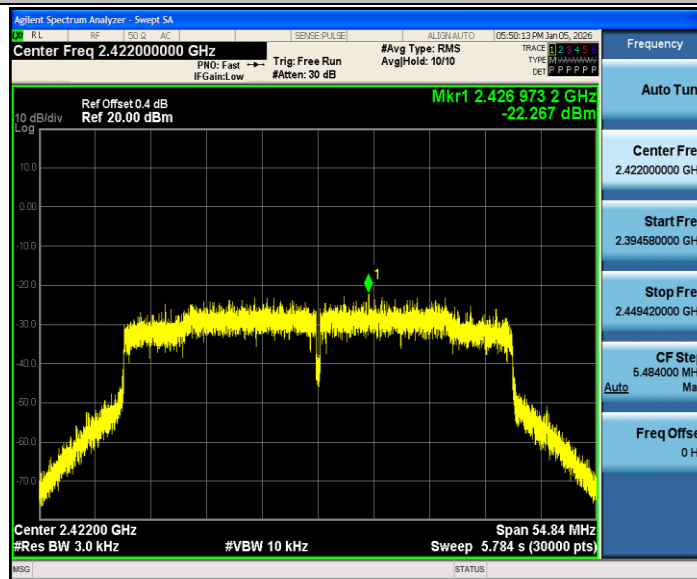
11AX20SISO_Ant1_2437



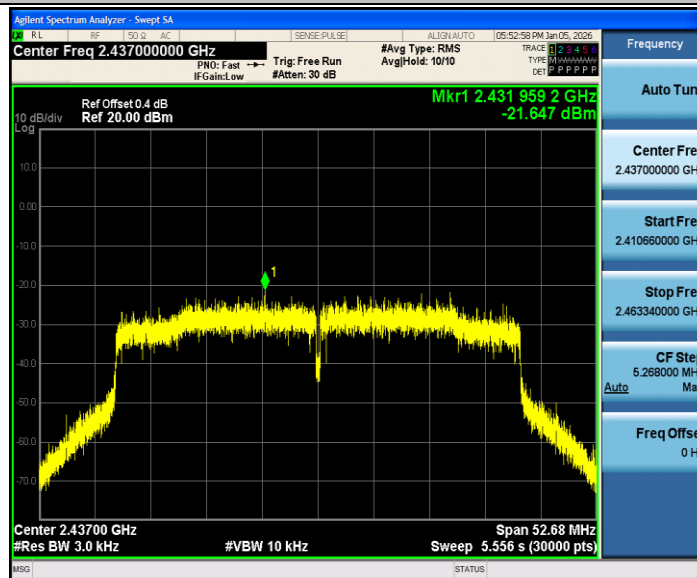
11AX20SISO_Ant1_2462



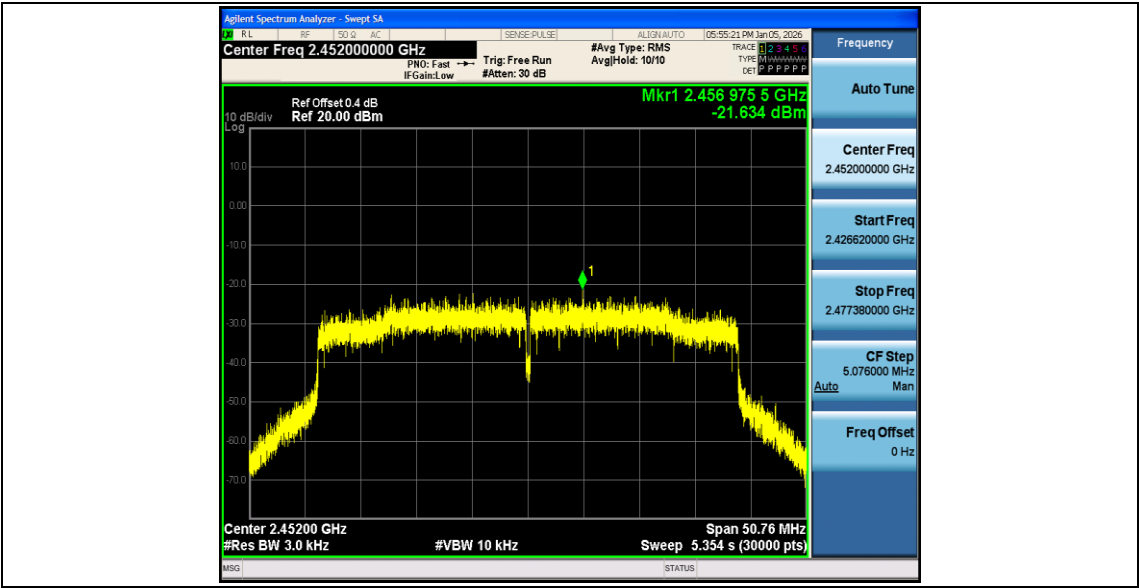
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



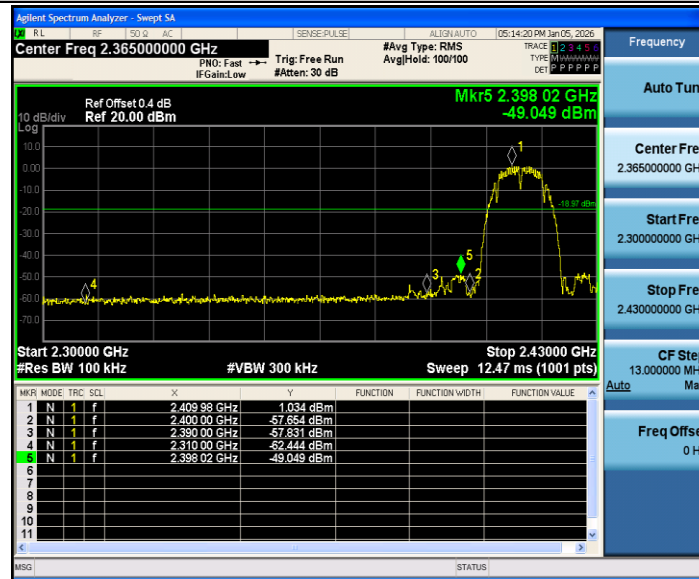
Appendix E: Band edge measurements

Test Result

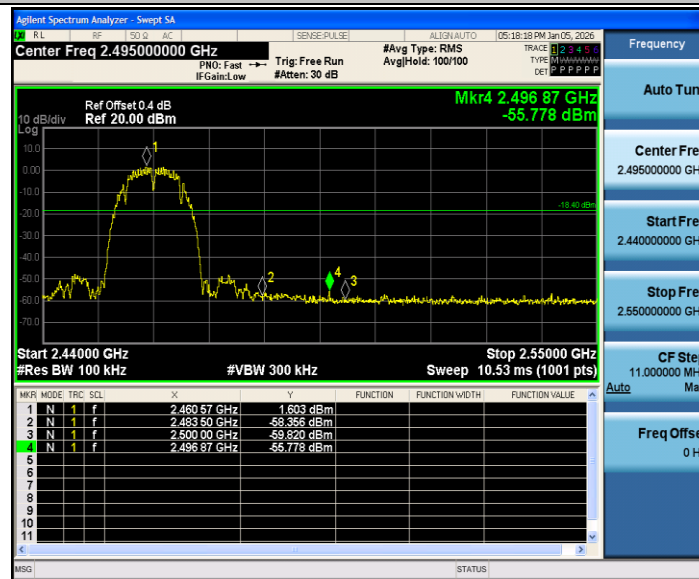
TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	1.03	-49.05	≤-18.97	PASS
		High	2462	1.60	-55.78	≤-18.4	PASS
11G	Ant1	Low	2412	-2.91	-34.04	≤-22.91	PASS
		High	2462	-2.83	-57.72	≤-22.83	PASS
11N20SISO	Ant1	Low	2412	-2.87	-35.08	≤-22.87	PASS
		High	2462	-2.70	-58.07	≤-22.7	PASS
11N40SISO	Ant1	Low	2422	-6.14	-34.16	≤-26.14	PASS
		High	2452	-5.94	-56.52	≤-25.94	PASS
11AX20SISO	Ant1	Low	2412	-3.34	-34.15	≤-23.34	PASS
		High	2462	-2.97	-57.28	≤-22.97	PASS
11AX40SISO	Ant1	Low	2422	-6.65	-35.7	≤-26.65	PASS
		High	2452	-6.38	-57.67	≤-26.38	PASS

Test Graphs

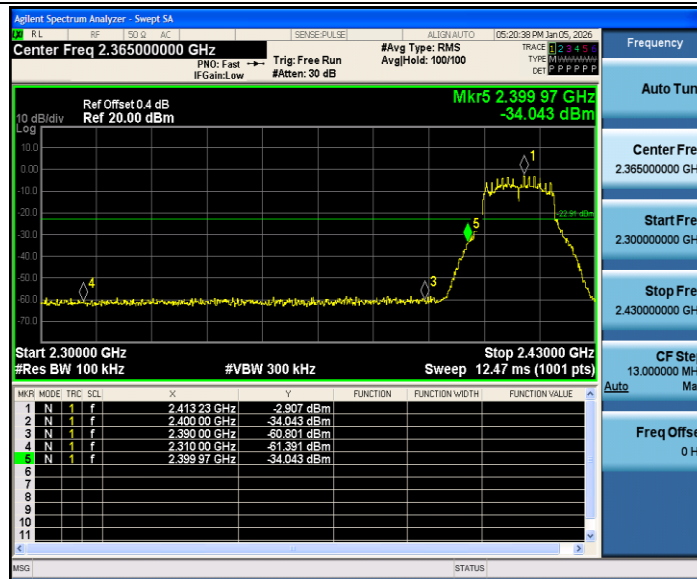
11B_Ant1_Low_2412



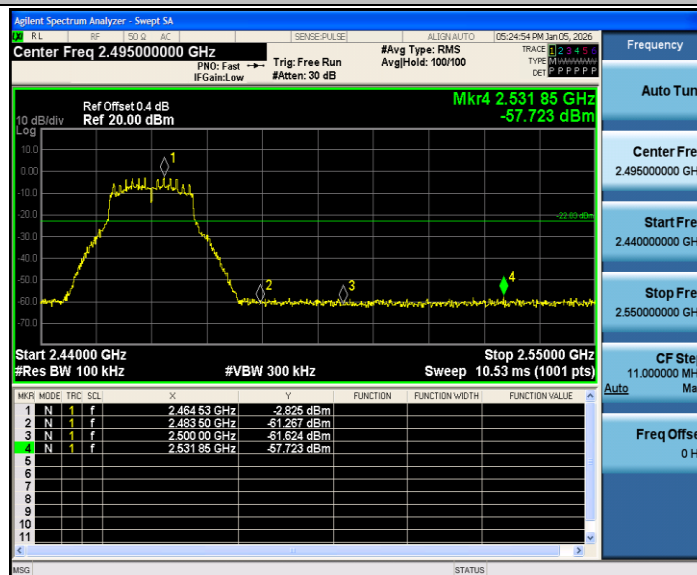
11B_Ant1_High_2462



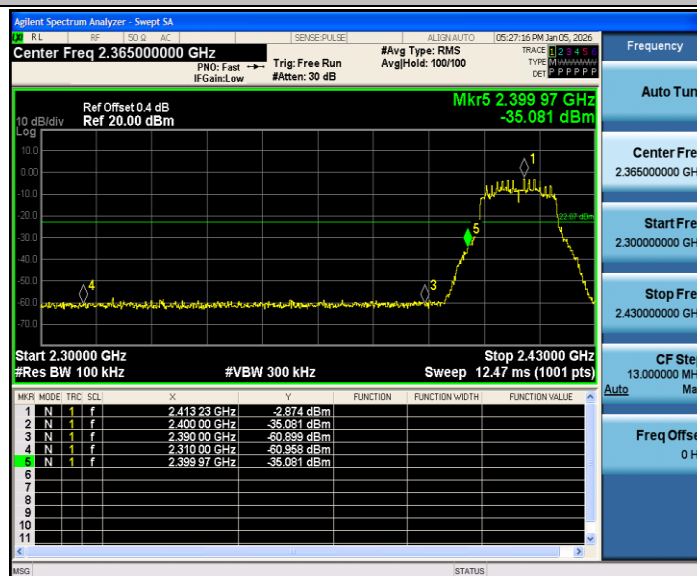
11G_Ant1_Low_2412



11G_Ant1_High_2462



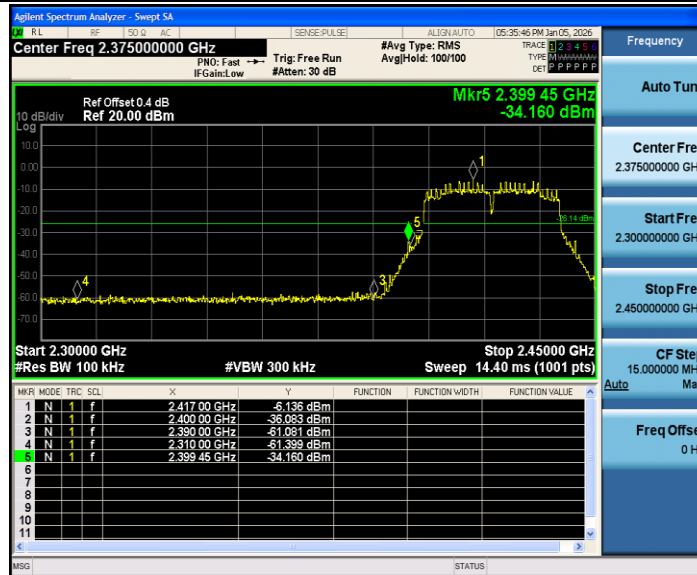
11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452