

FCC Appendix RF Test Data for 2.4GWIFI

FCC ID : 2A878-P1PROMAX
Company : Lexiang Technology Co.,Ltd
EUT : DPVR ALL IN ONE
Model Number : P1 PRO(MAX)
Report No. : CTA26041400303
Reviewed By : Eric Wang

Appendix RF Test Data for 2.4GWIFI ANT1

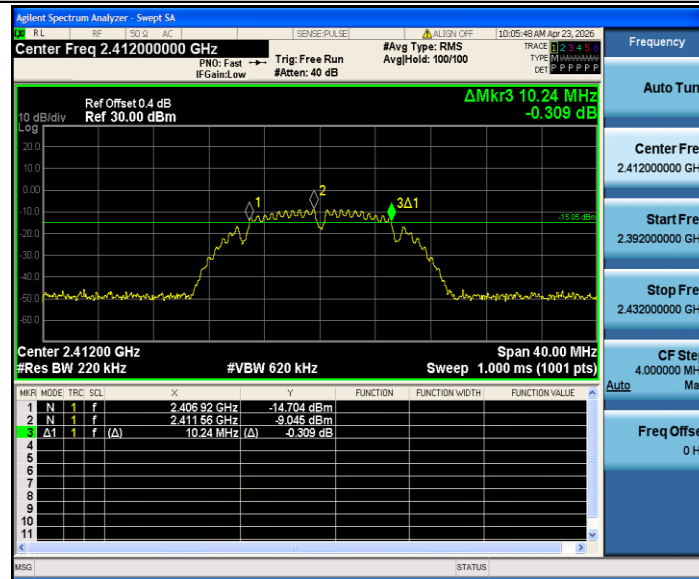
Appendix A: DTS Bandwidth

Test Result

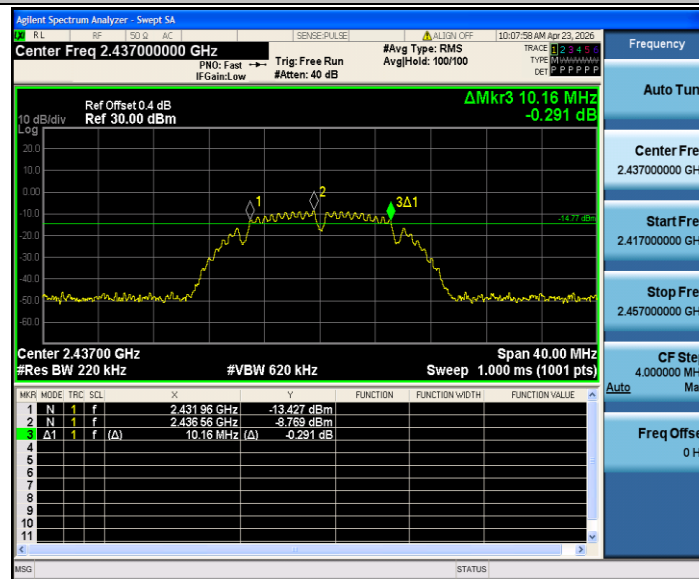
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.240	2406.920	2417.160	0.5	PASS
		2437	10.160	2431.960	2442.120	0.5	PASS
		2462	10.200	2456.920	2467.120	0.5	PASS
11G	Ant1	2412	15.320	2404.480	2419.800	0.5	PASS
		2437	15.920	2429.040	2444.960	0.5	PASS
		2462	15.960	2454.040	2470.000	0.5	PASS
11N20SISO	Ant1	2412	17.160	2403.440	2420.600	0.5	PASS
		2437	17.200	2428.440	2445.640	0.5	PASS
		2462	16.920	2453.400	2470.320	0.5	PASS
11N40SISO	Ant1	2422	35.360	2404.560	2439.920	0.5	PASS
		2437	35.360	2419.640	2455.000	0.5	PASS
		2452	35.280	2434.400	2469.680	0.5	PASS
11AX20SISO	Ant1	2412	18.160	2403.040	2421.200	0.5	PASS
		2437	17.600	2428.200	2445.800	0.5	PASS
		2462	18.720	2452.600	2471.320	0.5	PASS
11AX40SISO	Ant1	2422	36.160	2404.080	2440.240	0.5	PASS
		2437	36.240	2418.920	2455.160	0.5	PASS
		2452	35.360	2434.240	2469.600	0.5	PASS

Test Graphs

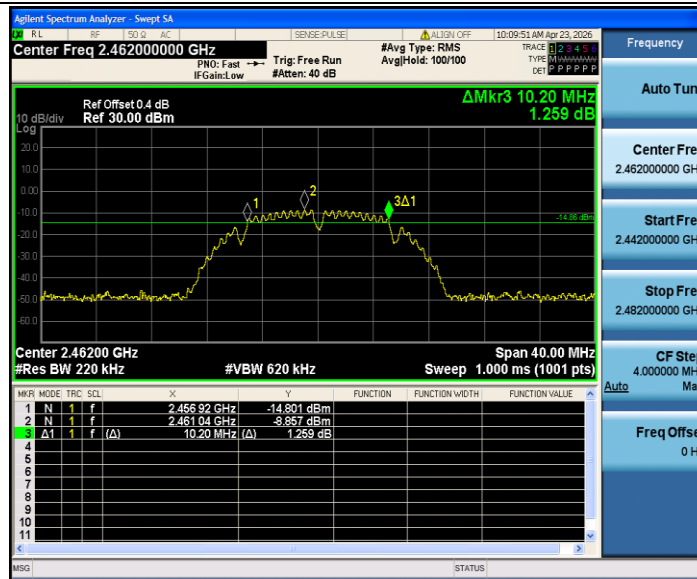
11B_Ant1_2412



11B_Ant1_2437



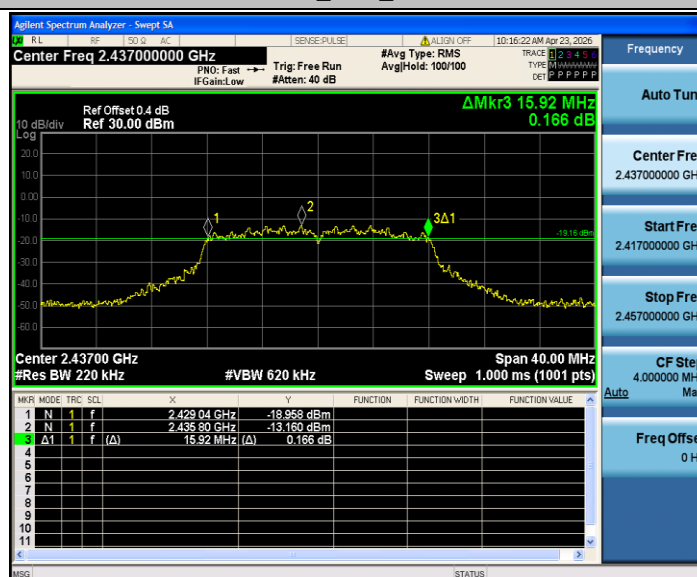
11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



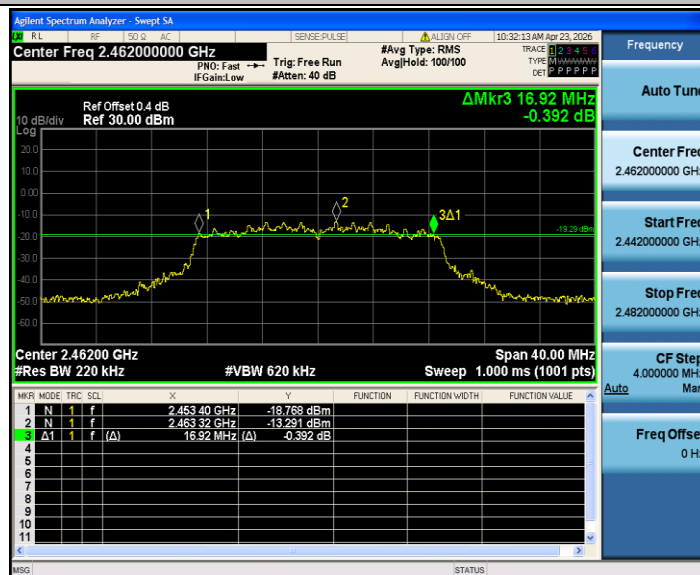
11N20SISO_Ant1_2412



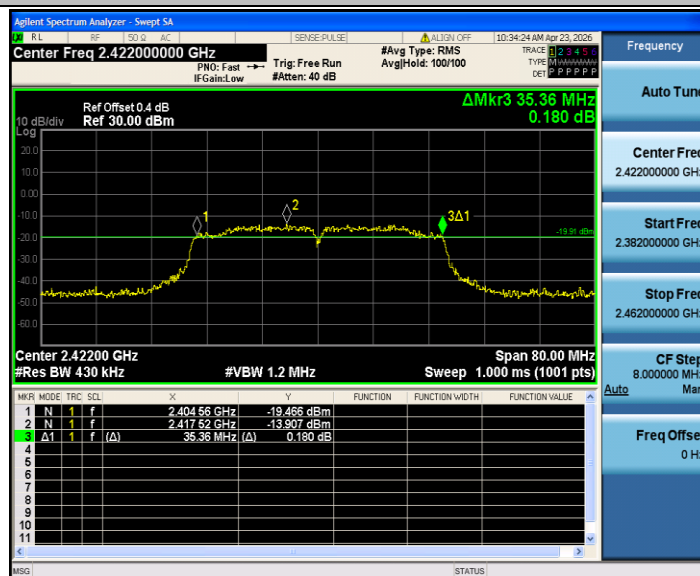
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



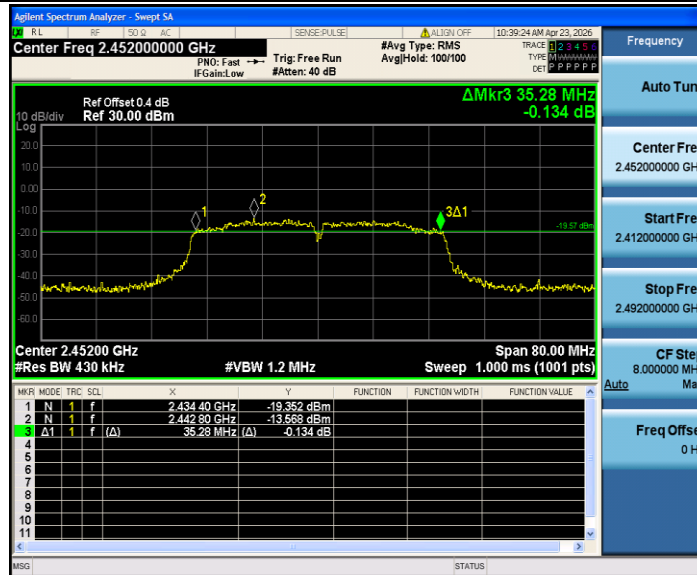
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



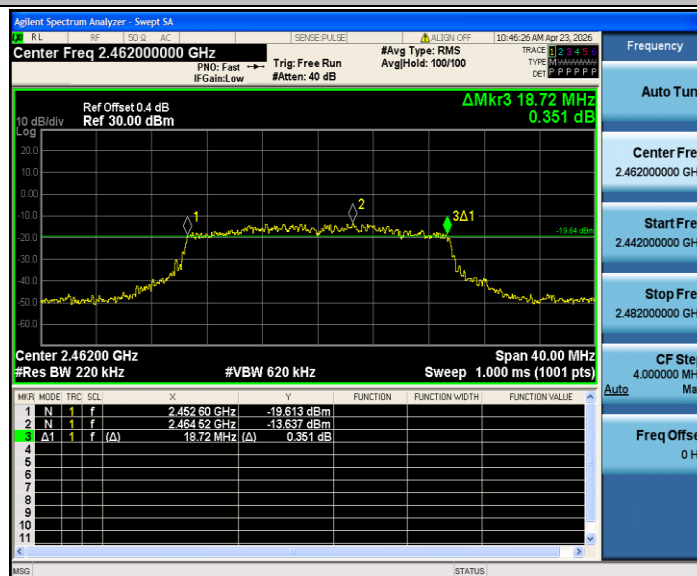
11AX20SISO_Ant1_2412



11AX20SISO_Ant1_2437



11AX20SISO_Ant1_2462



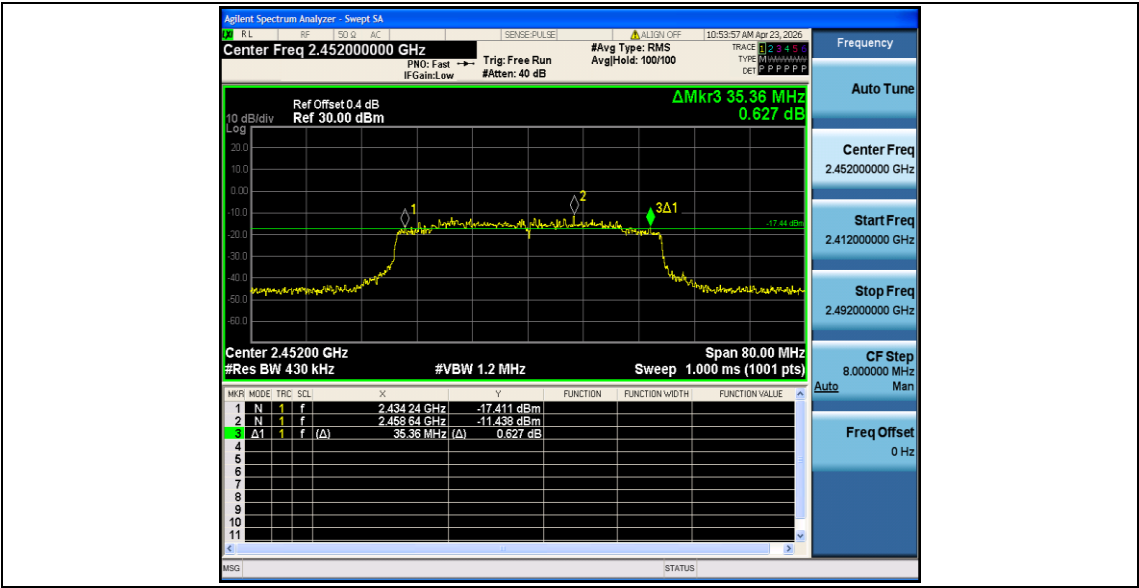
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



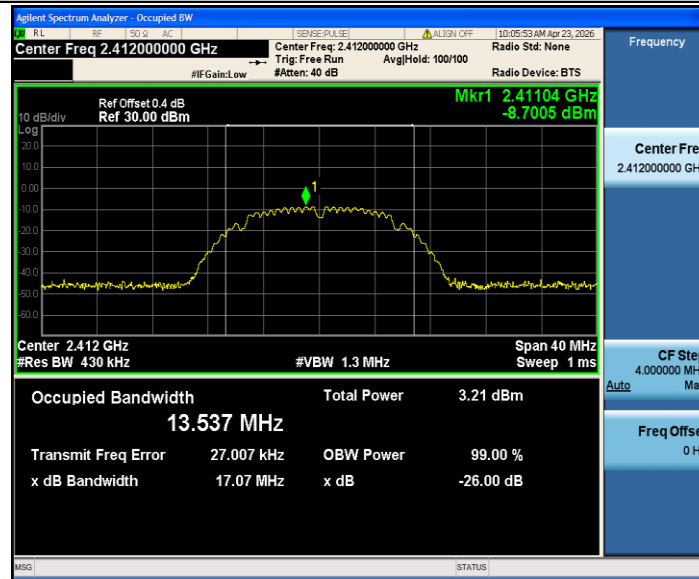
Appendix B: Occupied Channel Bandwidth

Test Result

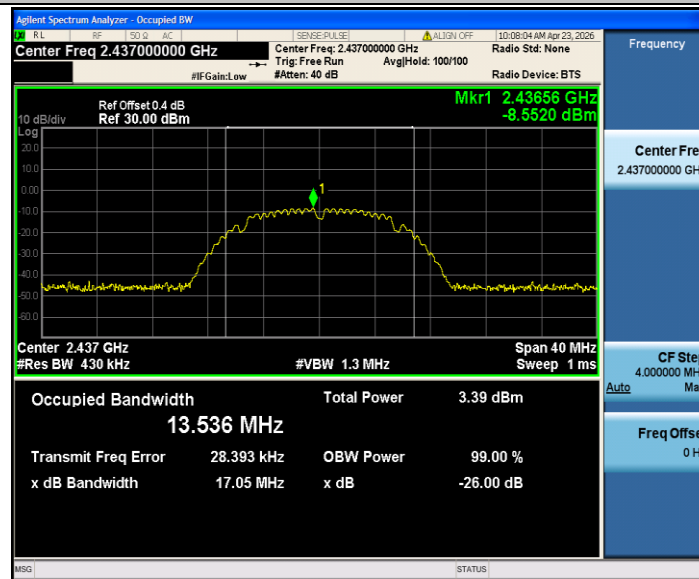
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.537	2405.2585	2418.7955	---	---
		2437	13.536	2430.2604	2443.7964	---	---
		2462	13.575	2455.2283	2468.8033	---	---
11G	Ant1	2412	16.925	2403.5865	2420.5115	---	---
		2437	16.902	2428.5874	2445.4894	---	---
		2462	16.878	2453.6155	2470.4935	---	---
11N20SISO	Ant1	2412	18.023	2403.0077	2421.0307	---	---
		2437	17.959	2428.0023	2445.9613	---	---
		2462	17.945	2453.0355	2470.9805	---	---
11N40SISO	Ant1	2422	36.178	2403.9946	2440.1726	---	---
		2437	36.151	2418.9894	2455.1404	---	---
		2452	36.192	2433.9833	2470.1753	---	---
11AX20SISO	Ant1	2412	18.991	2402.5240	2421.5150	---	---
		2437	19.009	2427.5454	2446.5544	---	---
		2462	18.986	2452.5215	2471.5075	---	---
11AX40SISO	Ant1	2422	37.663	2403.2821	2440.9451	---	---
		2437	37.704	2418.2227	2455.9267	---	---
		2452	37.642	2433.2719	2470.9139	---	---

Test Graphs

11B_Ant1_2412



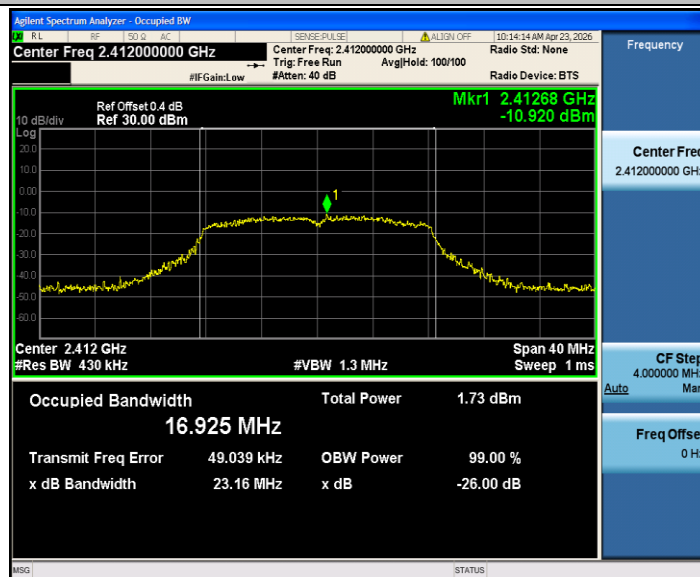
11B_Ant1_2437



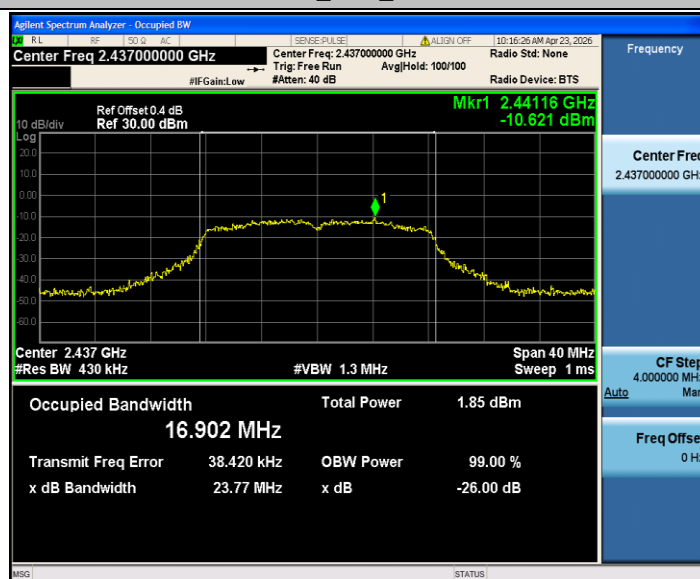
11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



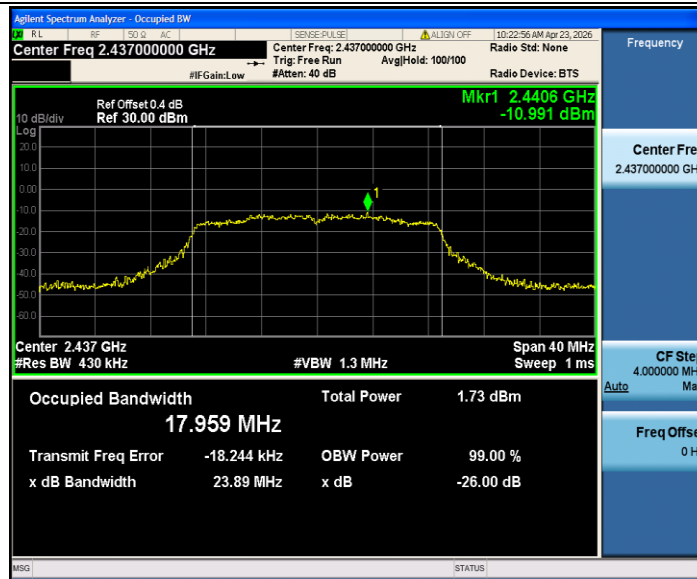
11G_Ant1_2462



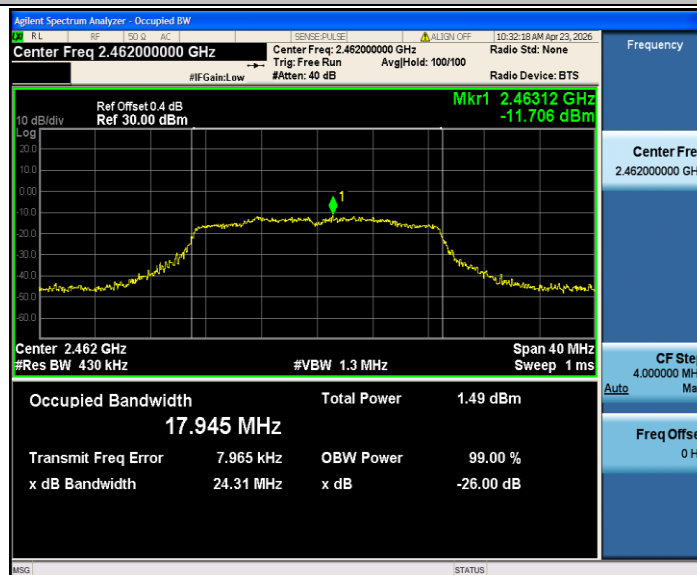
11N20SISO_Ant1_2412



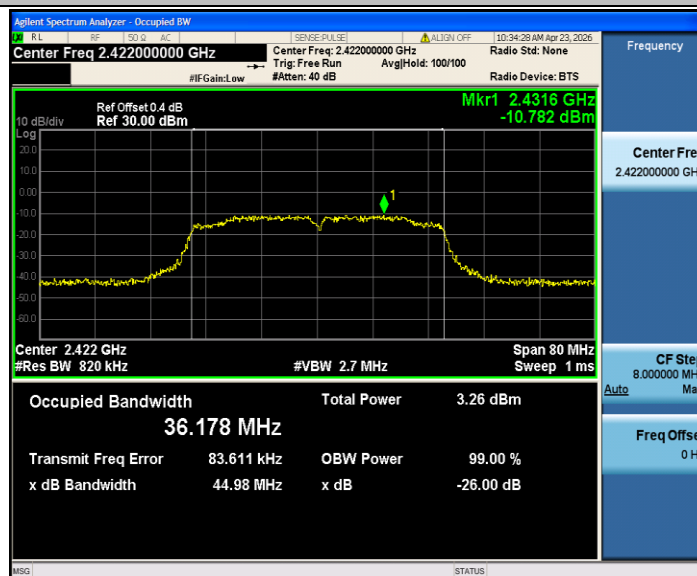
11N20SISO_Ant1_2437



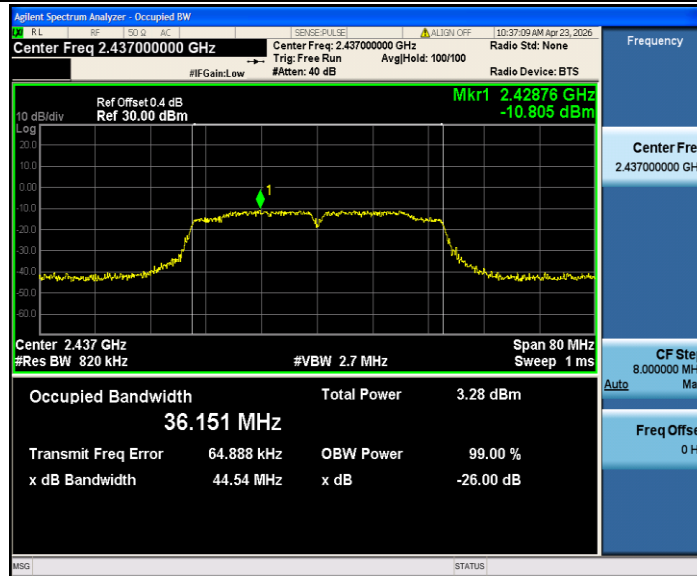
11N20SISO_Ant1_2462



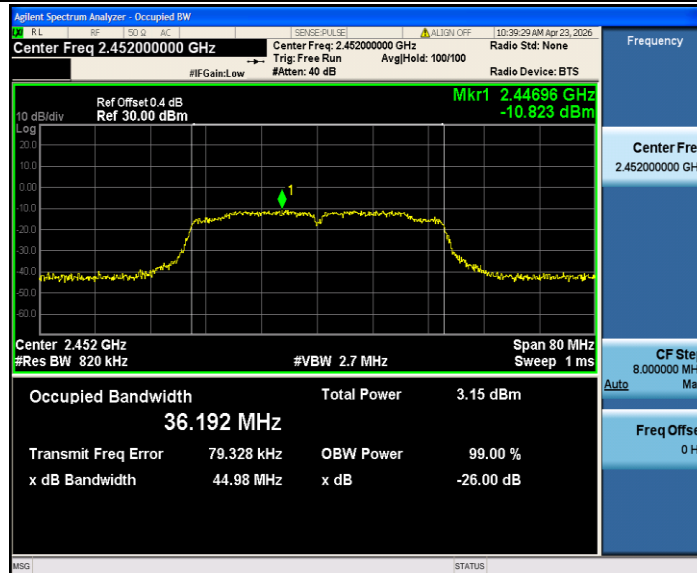
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



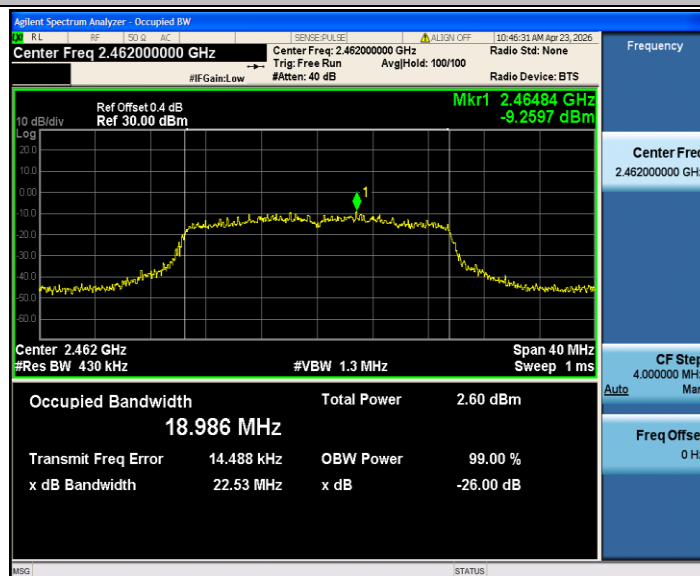
11AX20SISO_Ant1_2412



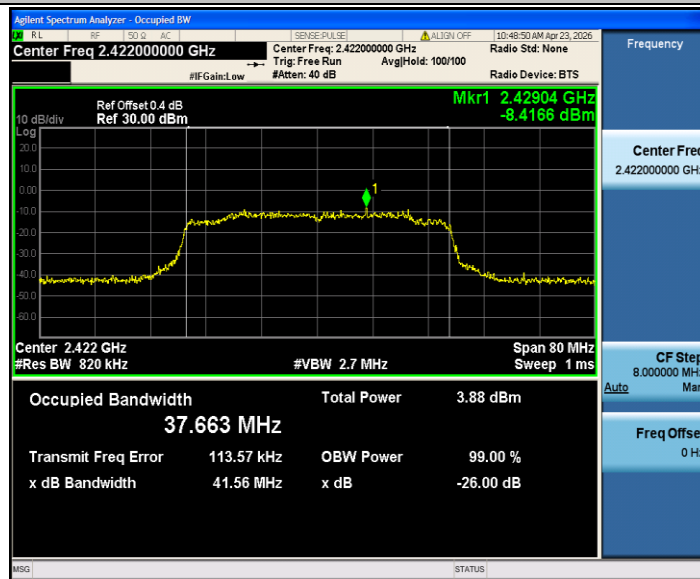
11AX20SISO_Ant1_2437



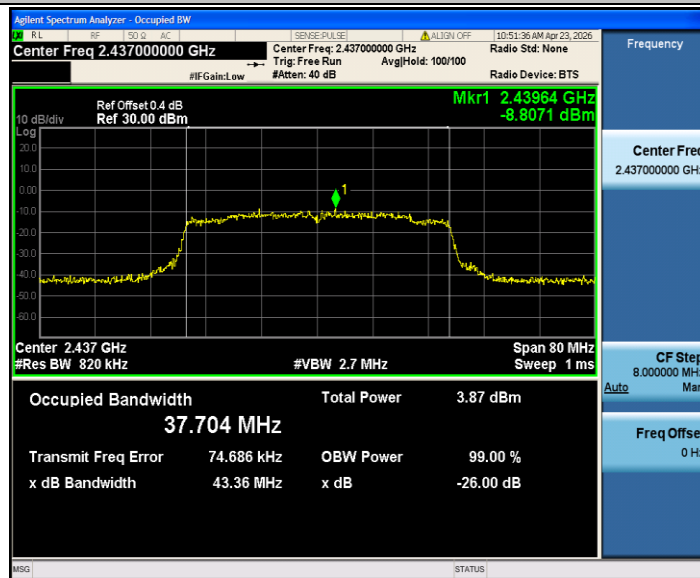
11AX20SISO_Ant1_2462



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	2.75	≤30.00	PASS
		2437	2.86	≤30.00	PASS
		2462	2.93	≤30.00	PASS
11G	Ant1	2412	2.67	≤30.00	PASS
		2437	2.75	≤30.00	PASS
		2462	2.60	≤30.00	PASS
11N20SISO	Ant1	2412	2.63	≤30.00	PASS
		2437	2.69	≤30.00	PASS
		2462	2.41	≤30.00	PASS
11N40SISO	Ant1	2422	3.42	≤30.00	PASS
		2437	3.34	≤30.00	PASS
		2452	3.27	≤30.00	PASS
11AX20SISO	Ant1	2412	3.03	≤30.00	PASS
		2437	3.08	≤30.00	PASS
		2462	3.07	≤30.00	PASS
11AX40SISO	Ant1	2422	3.70	≤30.00	PASS
		2437	3.83	≤30.00	PASS
		2452	3.66	≤30.00	PASS

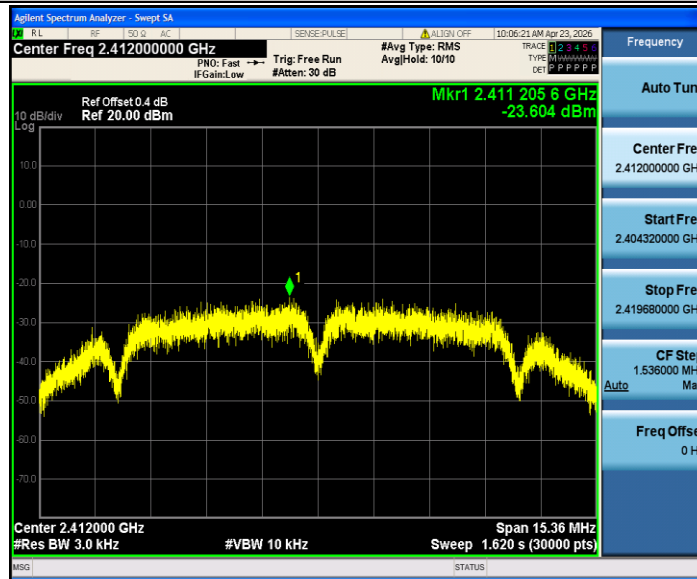
Appendix D: Maximum power spectral density

Test Result

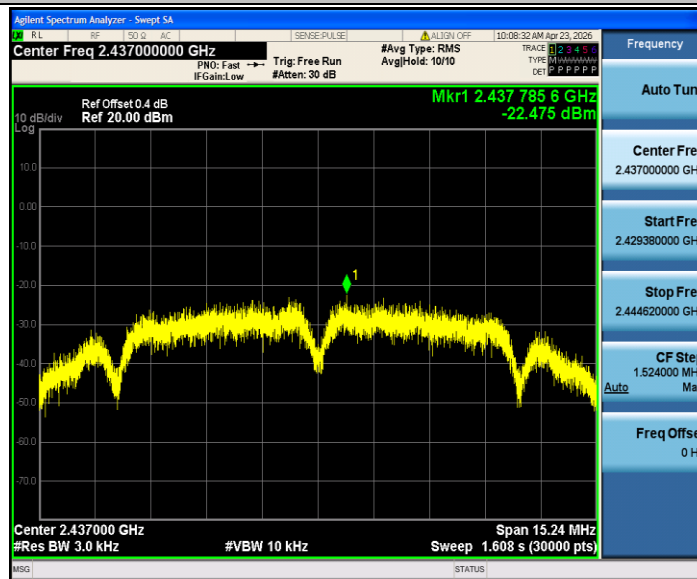
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-23.60	≤8.00	PASS
		2437	-22.48	≤8.00	PASS
		2462	-22.96	≤8.00	PASS
11G	Ant1	2412	-28.36	≤8.00	PASS
		2437	-28.35	≤8.00	PASS
		2462	-29.04	≤8.00	PASS
11N20SISO	Ant1	2412	-27.48	≤8.00	PASS
		2437	-29.20	≤8.00	PASS
		2462	-28.56	≤8.00	PASS
11N40SISO	Ant1	2422	-31.13	≤8.00	PASS
		2437	-31.15	≤8.00	PASS
		2452	-30.32	≤8.00	PASS
11AX20SISO	Ant1	2412	-30.14	≤8.00	PASS
		2437	-29.54	≤8.00	PASS
		2462	-29.99	≤8.00	PASS
11AX40SISO	Ant1	2422	-32.02	≤8.00	PASS
		2437	-32.53	≤8.00	PASS
		2452	-31.68	≤8.00	PASS

Test Graphs

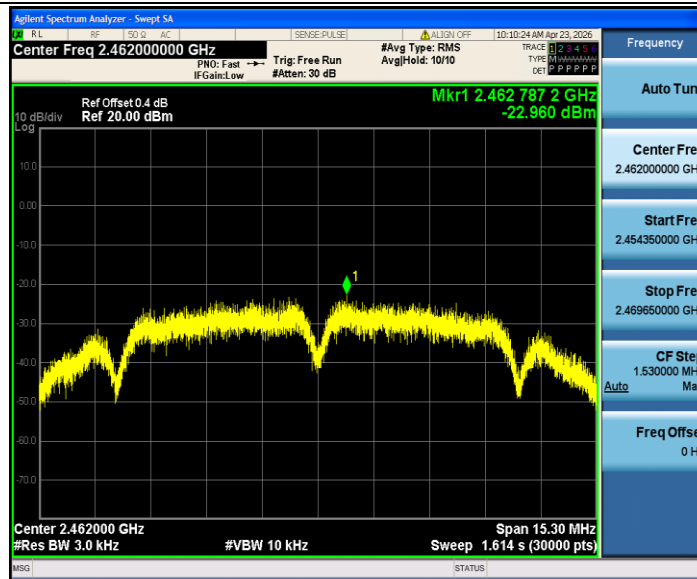
11B_Ant1_2412



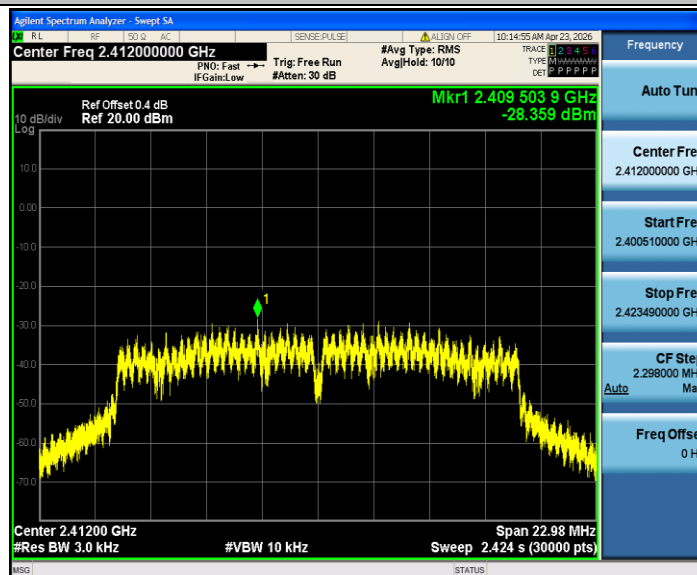
11B_Ant1_2437



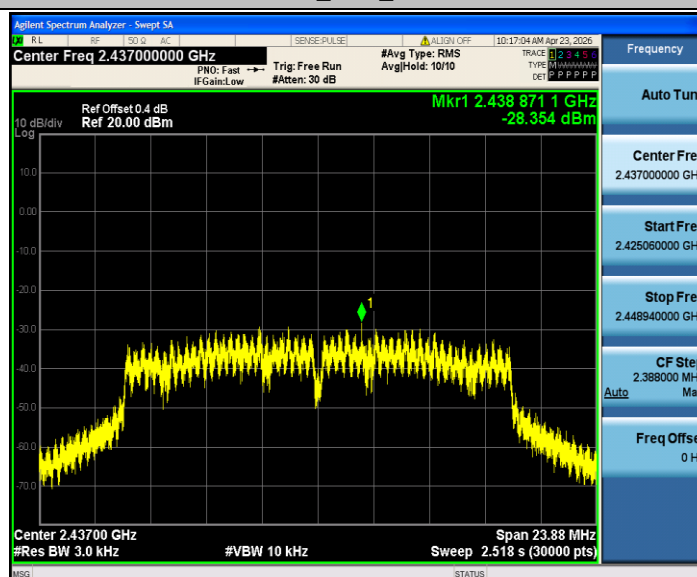
11B_Ant1_2462



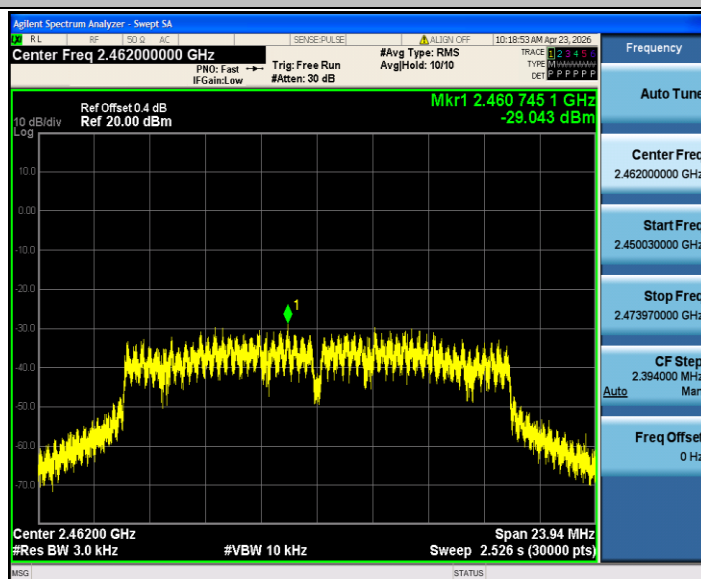
11G_Ant1_2412



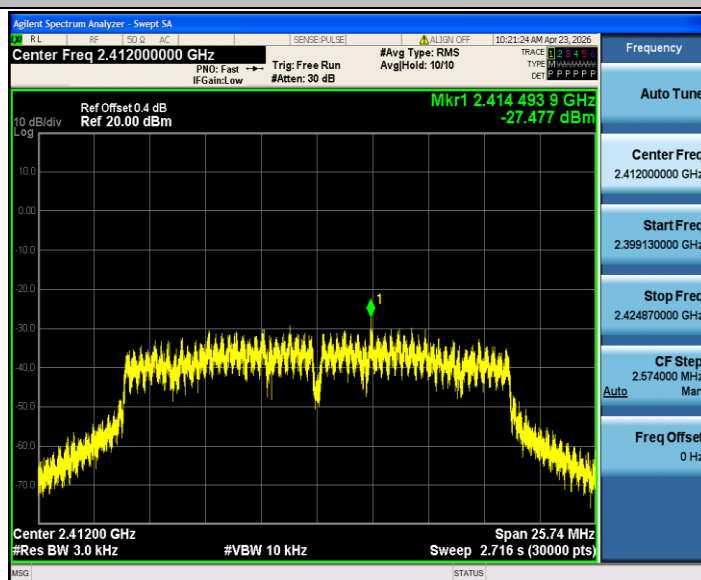
11G_Ant1_2437



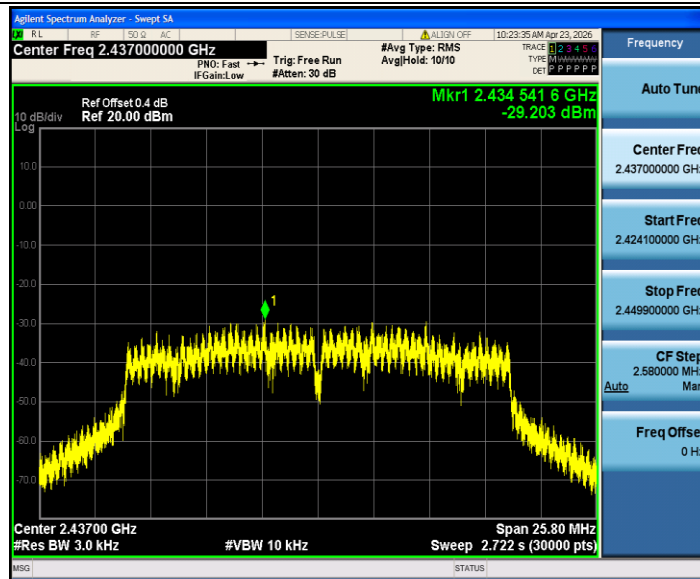
11G_Ant1_2462



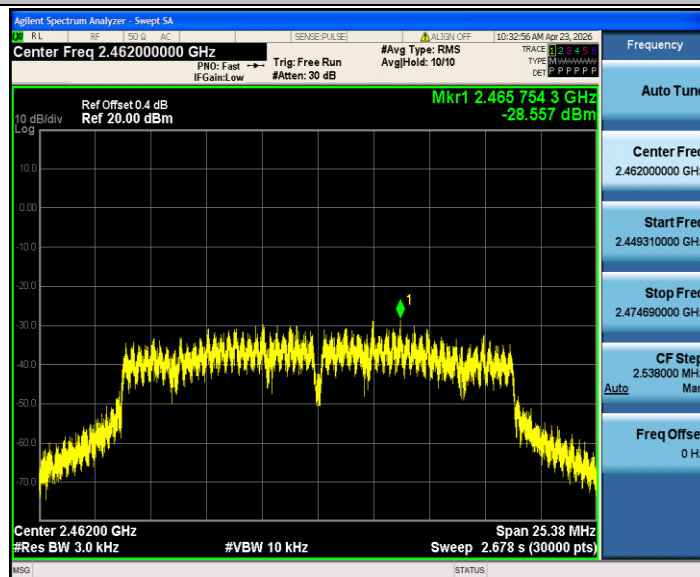
11N20SISO_Ant1_2412



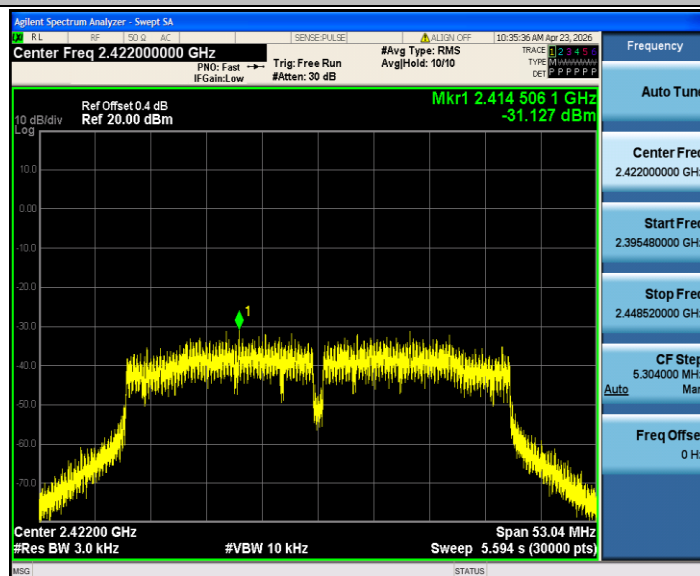
11N20SISO_Ant1_2437



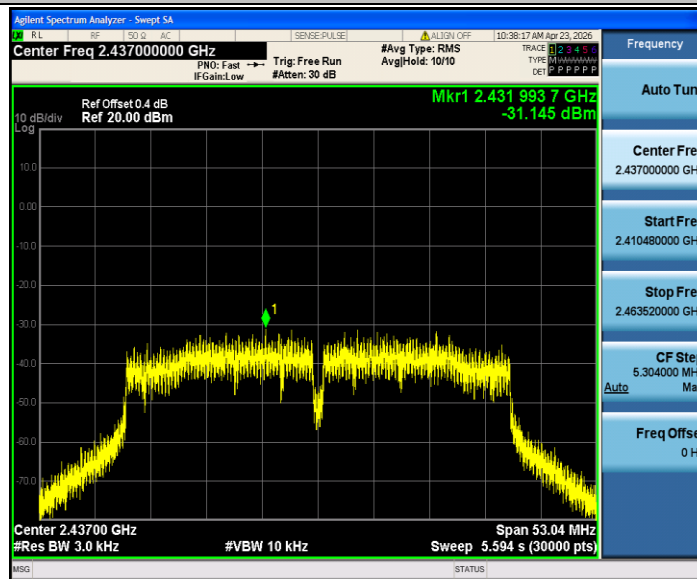
11N20SISO_Ant1_2462



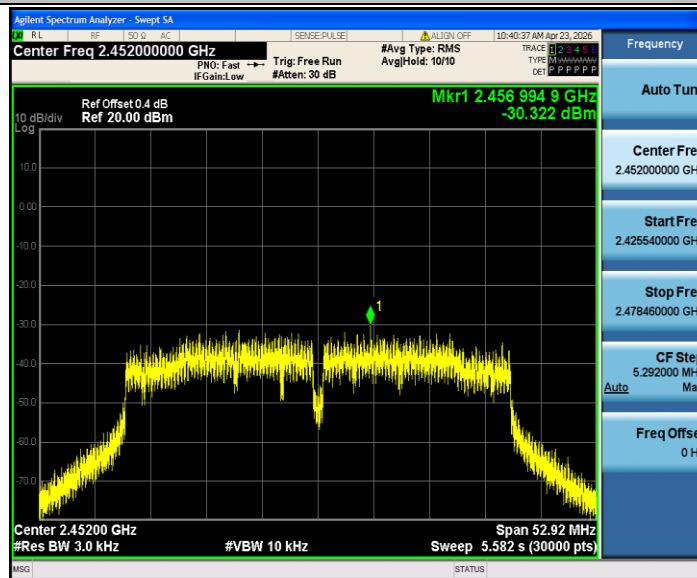
11N40SISO_Ant1_2422



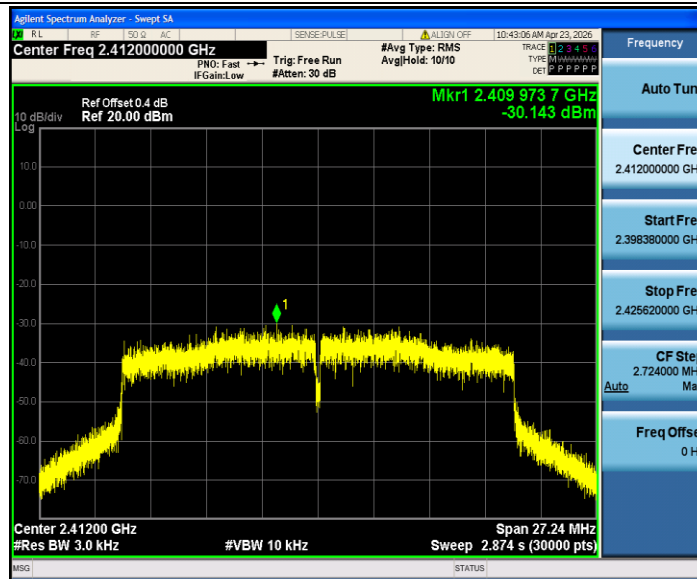
11N40SISO_Ant1_2437



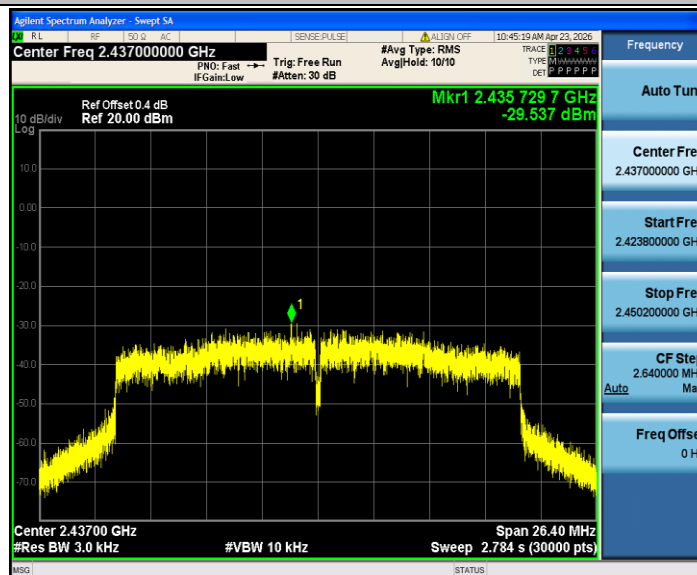
11N40SISO_Ant1_2452



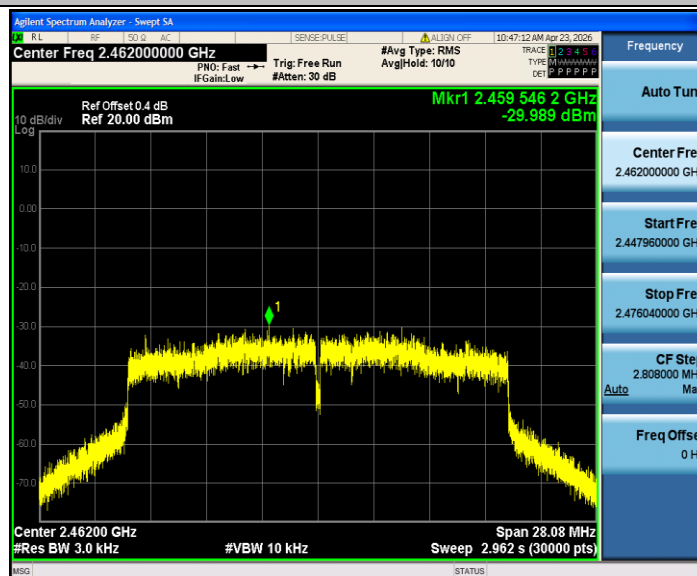
11AX20SISO_Ant1_2412



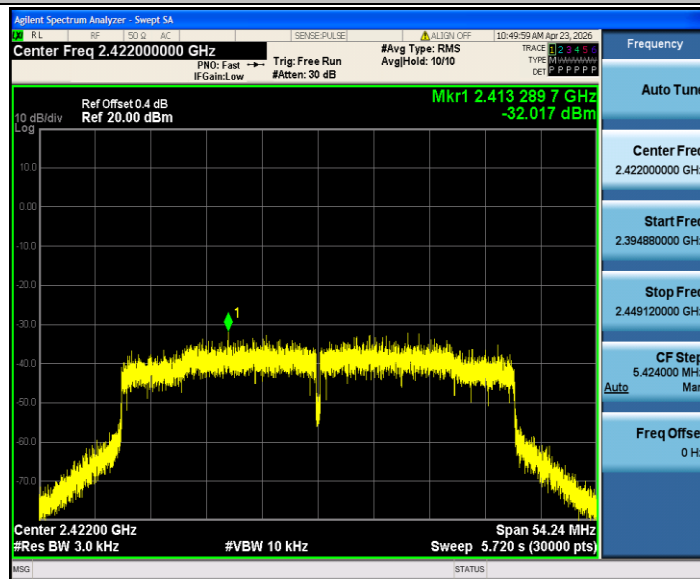
11AX20SISO_Ant1_2437



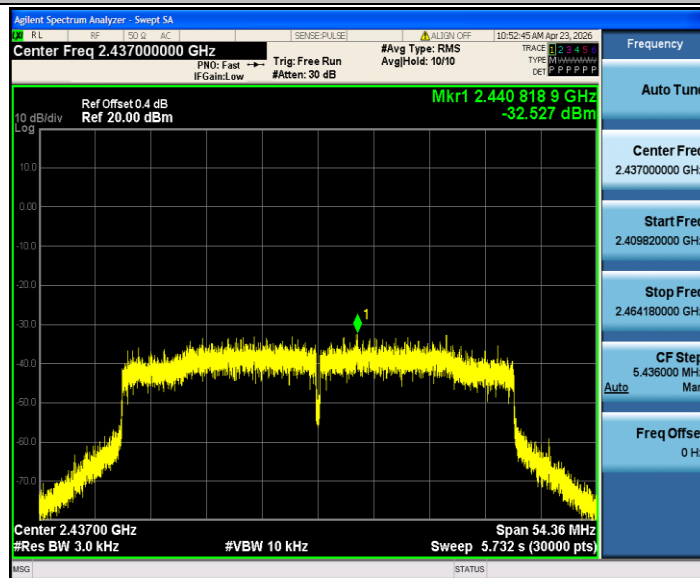
11AX20SISO_Ant1_2462



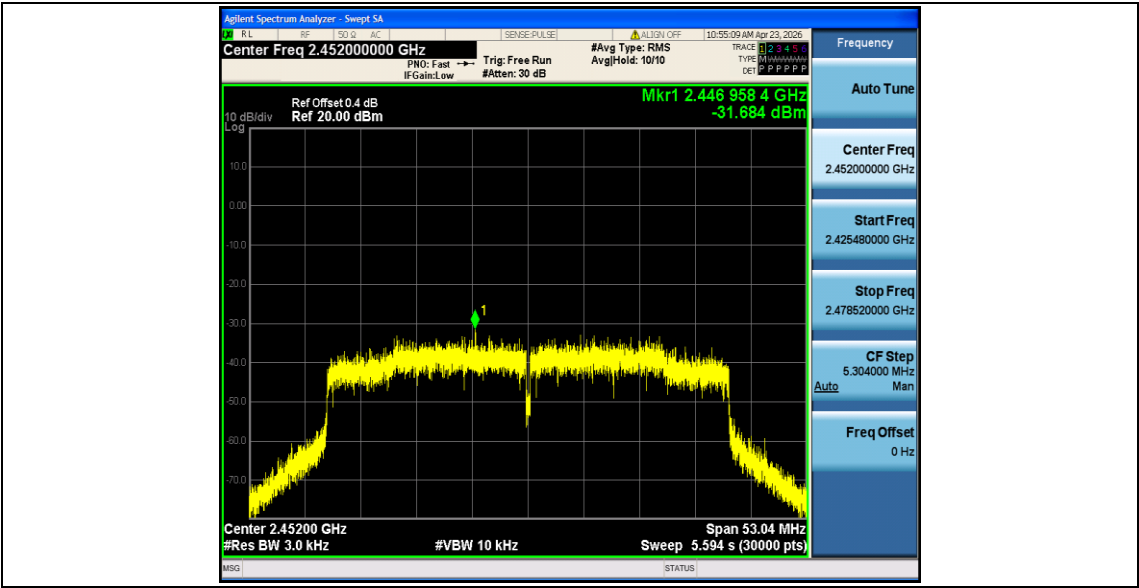
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



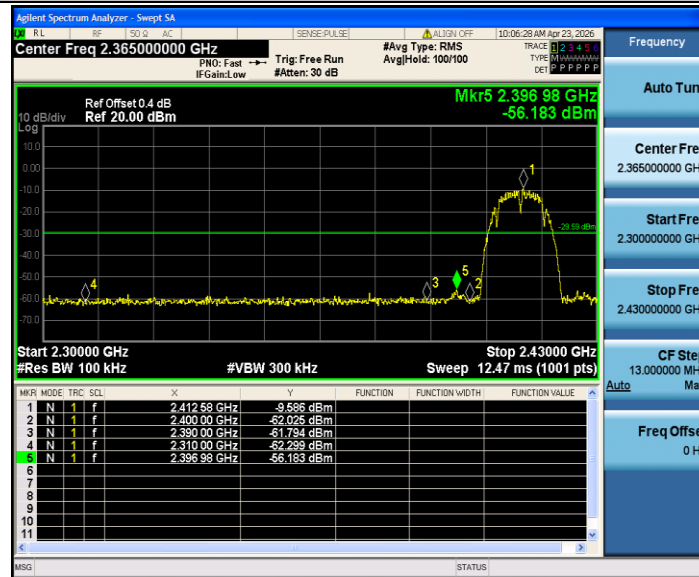
Appendix E: Band edge measurements

Test Result

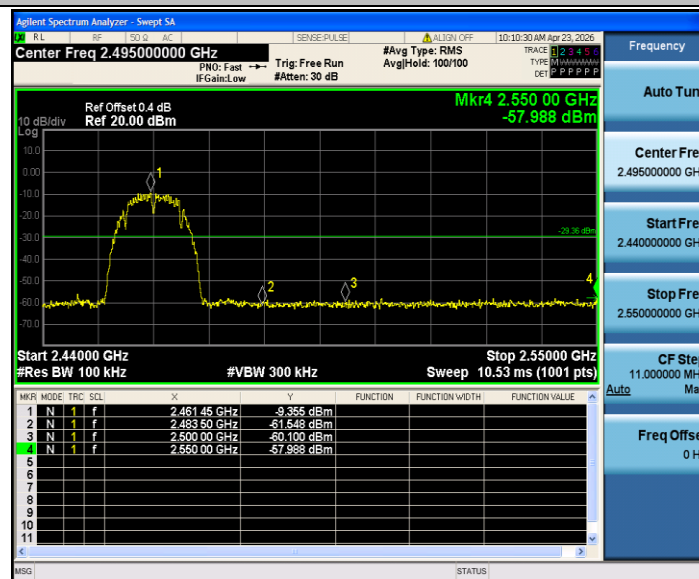
TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-9.59	-56.18	≤-29.59	PASS
		High	2462	-9.36	-57.99	≤-29.36	PASS
11G	Ant1	Low	2412	-14.13	-45.94	≤-34.13	PASS
		High	2462	-14.21	-58.25	≤-34.21	PASS
11N20SISO	Ant1	Low	2412	-14.20	-45.63	≤-34.2	PASS
		High	2462	-14.02	-57.83	≤-34.02	PASS
11N40SISO	Ant1	Low	2422	-16.76	-43.35	≤-36.76	PASS
		High	2452	-16.70	-58.11	≤-36.7	PASS
11AX20SISO	Ant1	Low	2412	-14.15	-44.35	≤-34.15	PASS
		High	2462	-14.65	-57.41	≤-34.65	PASS
11AX40SISO	Ant1	Low	2422	-16.90	-44.8	≤-36.9	PASS
		High	2452	-16.84	-58.01	≤-36.84	PASS

Test Graphs

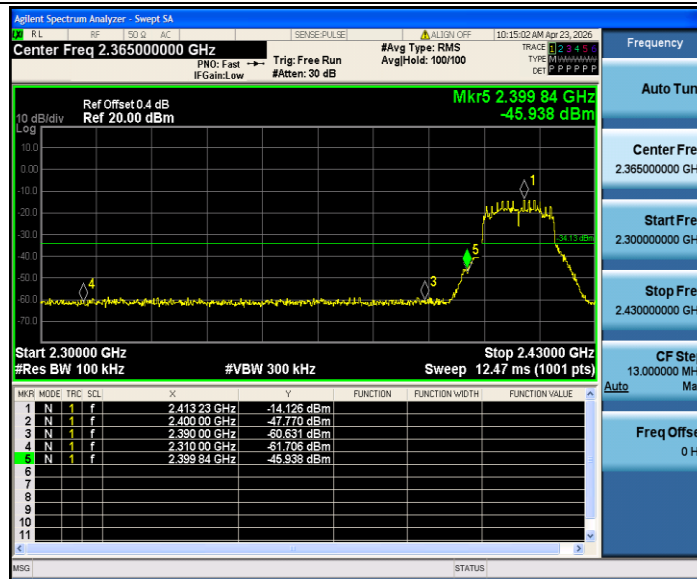
11B_Ant1_Low_2412



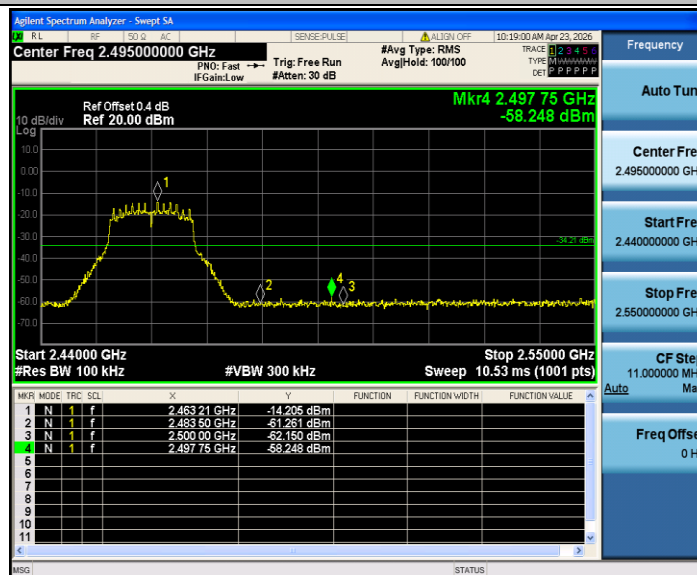
11B_Ant1_High_2462



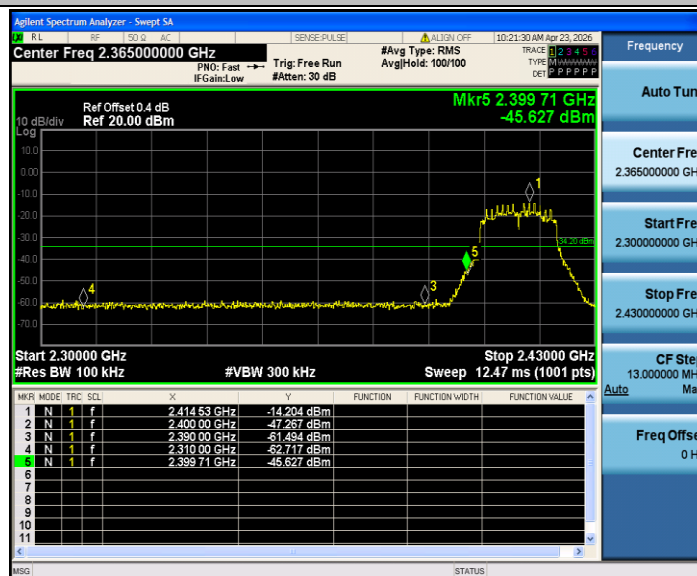
11G_Ant1_Low_2412



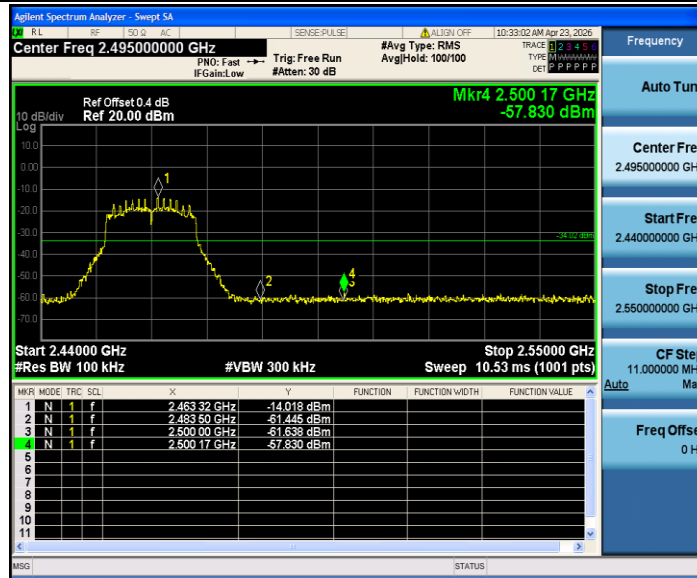
11G_Ant1_High_2462



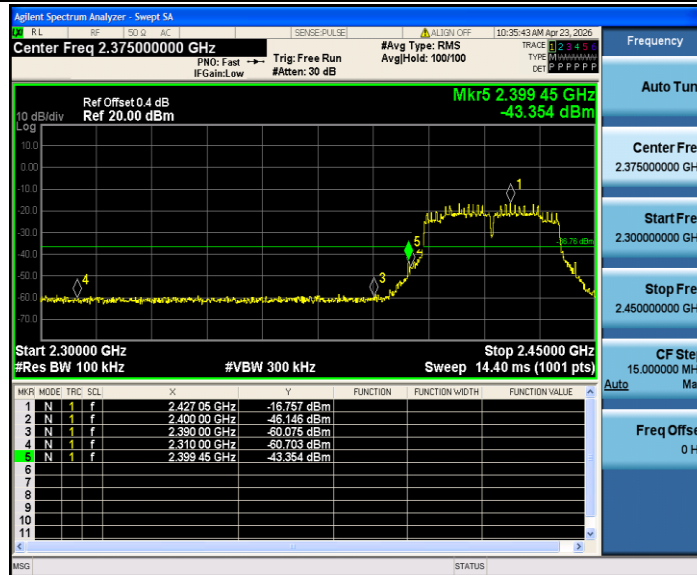
11N20SISO_Ant1_Low_2412



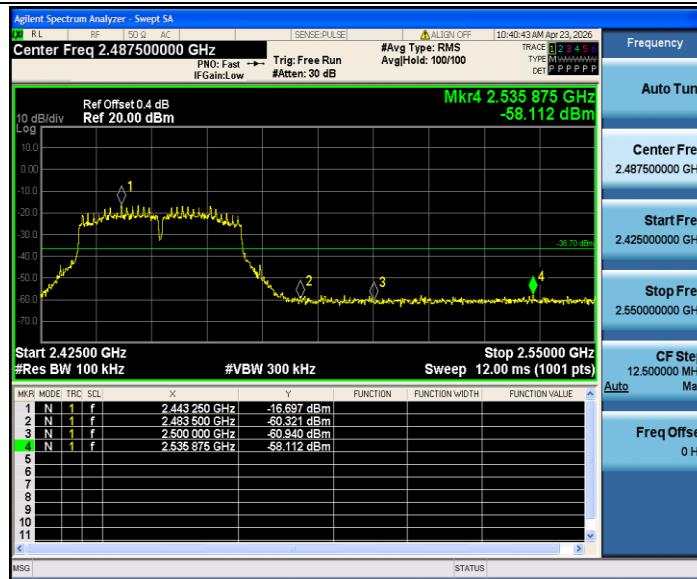
11N20SISO_Ant1_High_2462



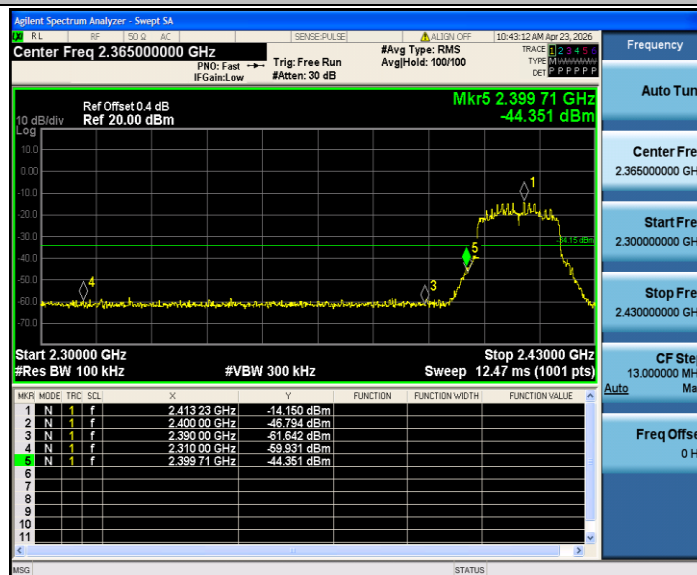
11N40SISO_Ant1_Low_2422



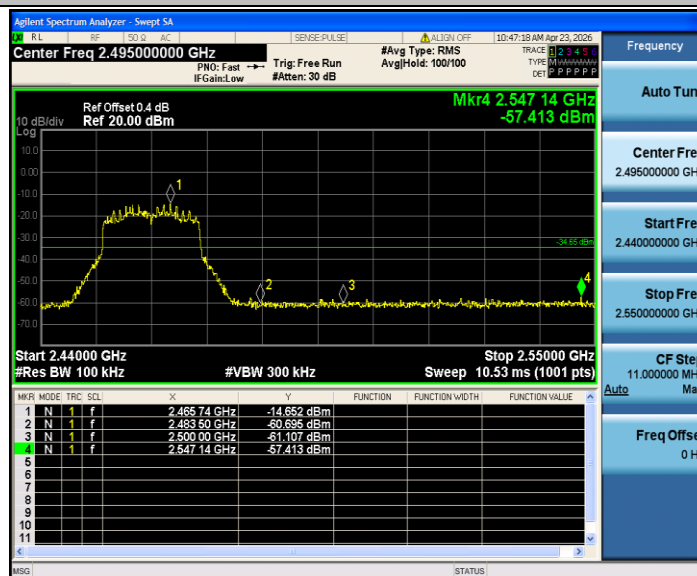
11N40SISO_Ant1_High_2452



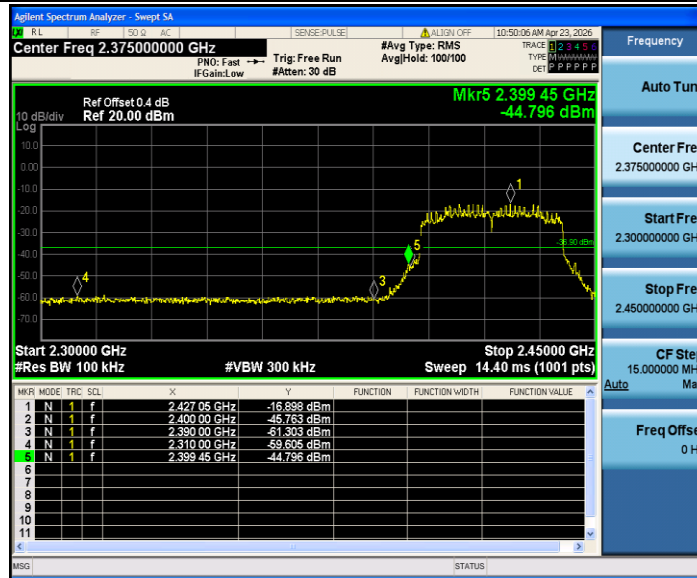
11AX20SISO_Ant1_Low_2412



11AX20SISO_Ant1_High_2462



11AX40SISO_Ant1_Low_2422



11AX40SISO_Ant1_High_2452



Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-10.38	-10.38	---	PASS
			30~1000	-10.38	-68.53	≤-30.38	PASS
			1000~26500	-10.38	-55.52	≤-30.38	PASS
		2437	Reference	-10.26	-10.26	---	PASS
			30~1000	-10.26	-67.84	≤-30.26	PASS
			1000~26500	-10.26	-55.8	≤-30.26	PASS
		2462	Reference	-11.02	-11.02	---	PASS
			30~1000	-11.02	-67.82	≤-31.02	PASS
			1000~26500	-11.02	-55.91	≤-31.02	PASS
11G	Ant1	2412	Reference	-14.34	-14.34	---	PASS
			30~1000	-14.34	-67.24	≤-34.34	PASS
			1000~26500	-14.34	-55.77	≤-34.34	PASS
		2437	Reference	-15.07	-15.07	---	PASS
			30~1000	-15.07	-67.98	≤-35.07	PASS
			1000~26500	-15.07	-54.29	≤-35.07	PASS
		2462	Reference	-14.83	-14.83	---	PASS
			30~1000	-14.83	-68.38	≤-34.83	PASS
			1000~26500	-14.83	-56.11	≤-34.83	PASS
11N20SISO	Ant1	2412	Reference	-14.58	-14.58	---	PASS
			30~1000	-14.58	-68.17	≤-34.58	PASS
			1000~26500	-14.58	-55.14	≤-34.58	PASS
		2437	Reference	-14.16	-14.16	---	PASS
			30~1000	-14.16	-67.9	≤-34.16	PASS
			1000~26500	-14.16	-55.55	≤-34.16	PASS
		2462	Reference	-14.59	-14.59	---	PASS
			30~1000	-14.59	-68.14	≤-34.59	PASS
			1000~26500	-14.59	-55.69	≤-34.59	PASS
11N40SISO	Ant1	2422	Reference	-17.44	-17.44	---	PASS
			30~1000	-17.44	-67.88	≤-37.44	PASS
			1000~26500	-17.44	-55.97	≤-37.44	PASS
		2437	Reference	-16.70	-16.70	---	PASS
			30~1000	-16.70	-68.17	≤-36.7	PASS
			1000~26500	-16.70	-55.35	≤-36.7	PASS
		2452	Reference	-16.89	-16.89	---	PASS
			30~1000	-16.89	-68.15	≤-36.89	PASS
			1000~26500	-16.89	-55.67	≤-36.89	PASS
11AX20SISO	Ant1	2412	Reference	-14.76	-14.76	---	PASS