

FCC Appendix RF Test Data

FCC ID : 2BNKS-TW37

Company : Maxtop Global Trading Limited

EUT : WIRELESS CAMERA

Model Number : TW37

Report No. : CTA25061301502

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	9.040	2407.480	2416.520	0.5	PASS
		2437	8.560	2433.000	2441.560	0.5	PASS
		2462	9.560	2456.960	2466.520	0.5	PASS
11G	Ant1	2412	15.680	2404.480	2420.160	0.5	PASS
		2437	15.720	2429.440	2445.160	0.5	PASS
		2462	15.880	2454.280	2470.160	0.5	PASS
11N20SISO	Ant1	2412	16.080	2404.440	2420.520	0.5	PASS
		2437	15.920	2429.440	2445.360	0.5	PASS
		2462	16.560	2454.040	2470.600	0.5	PASS
11N40SISO	Ant1	2422	35.360	2404.480	2439.840	0.5	PASS
		2437	35.120	2419.480	2454.600	0.5	PASS
		2452	35.360	2434.240	2469.600	0.5	PASS
11AX20SISO	Ant1	2412	16.160	2404.480	2420.640	0.5	PASS
		2437	16.080	2429.440	2445.520	0.5	PASS
		2462	16.280	2454.240	2470.520	0.5	PASS
11AX40SISO	Ant1	2422	35.520	2404.480	2440.000	0.5	PASS
		2437	35.040	2419.480	2454.520	0.5	PASS
		2452	35.200	2434.400	2469.600	0.5	PASS

Test Graphs

11B_Ant1_2412



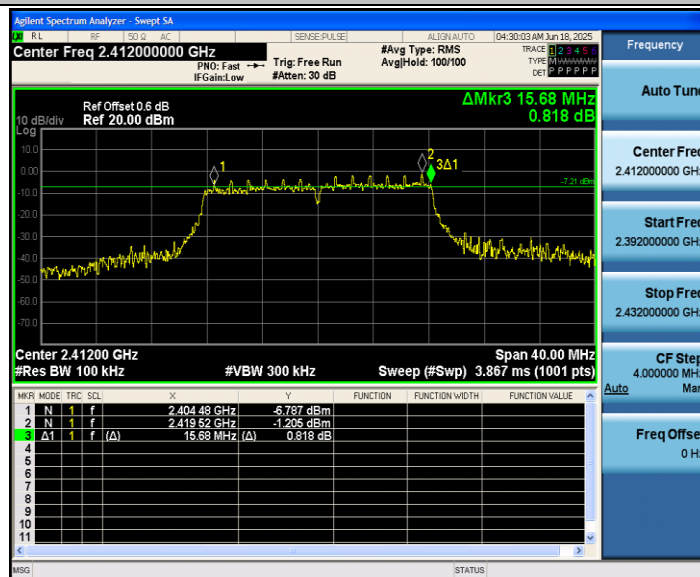
11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



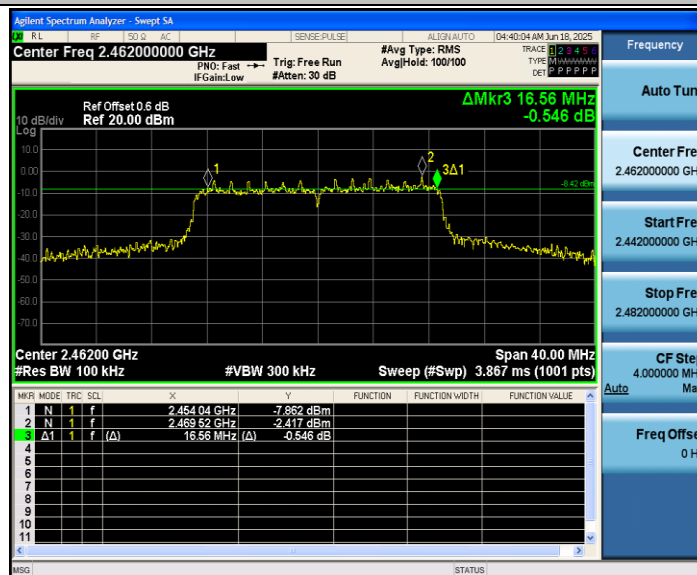
11N20SISO_Ant1_2412



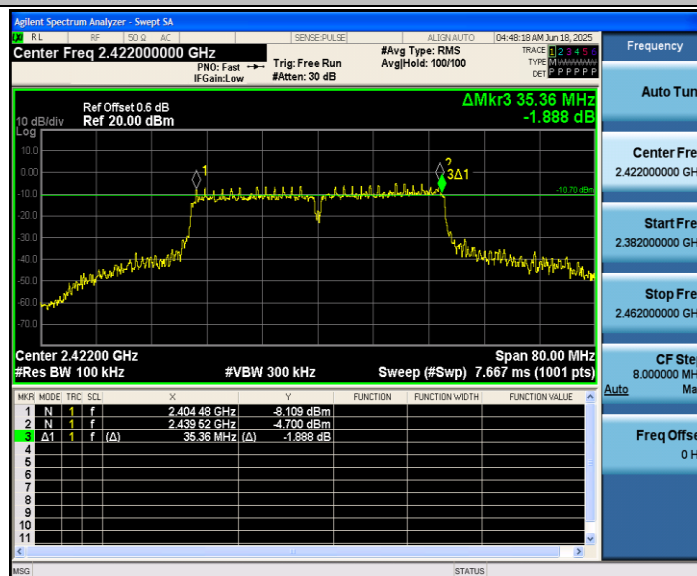
11N20SISO_Ant1_2437



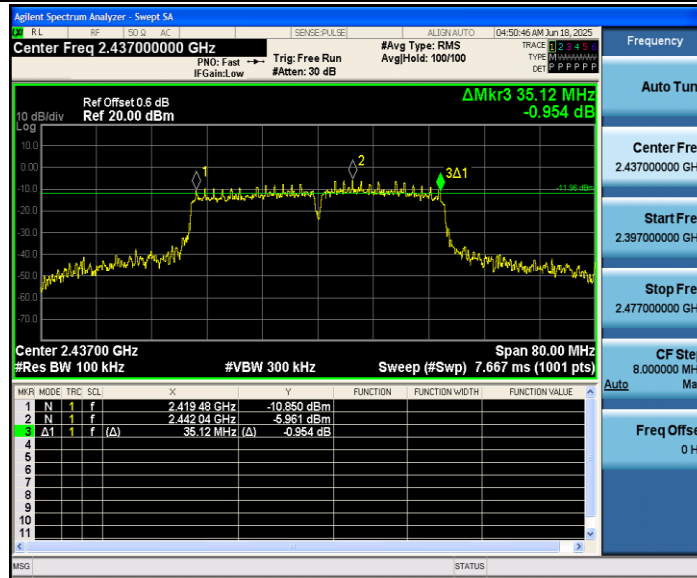
11N20SISO_Ant1_2462



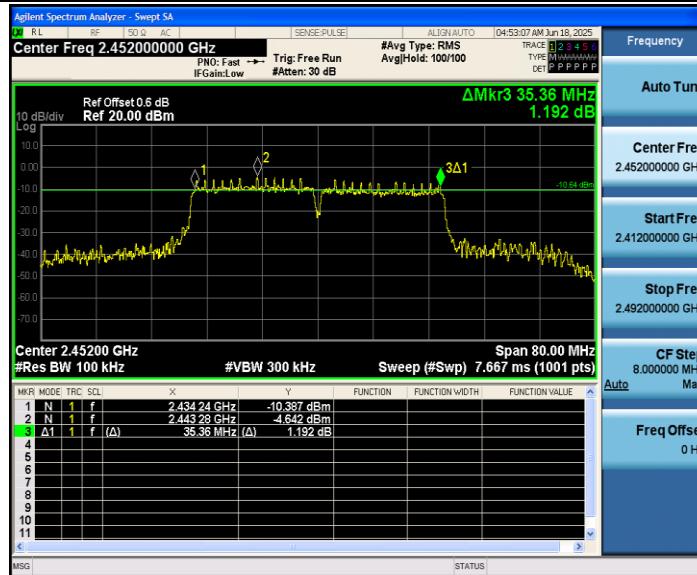
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



11AX20SISO_Ant1_2412



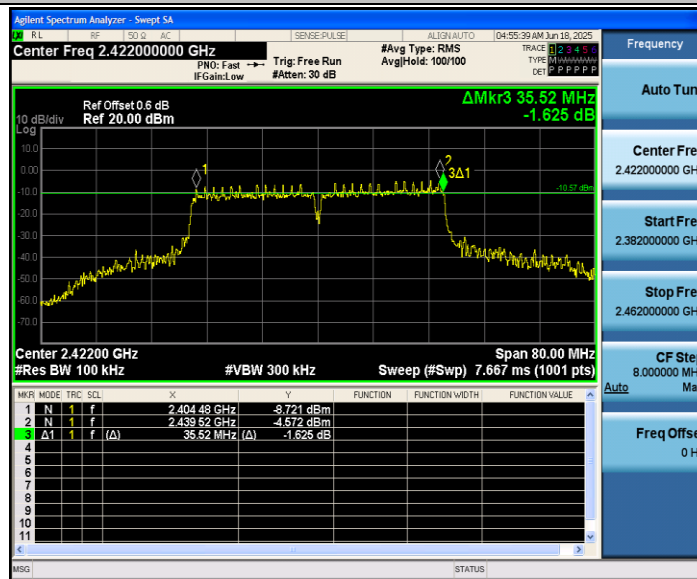
11AX20SISO_Ant1_2437



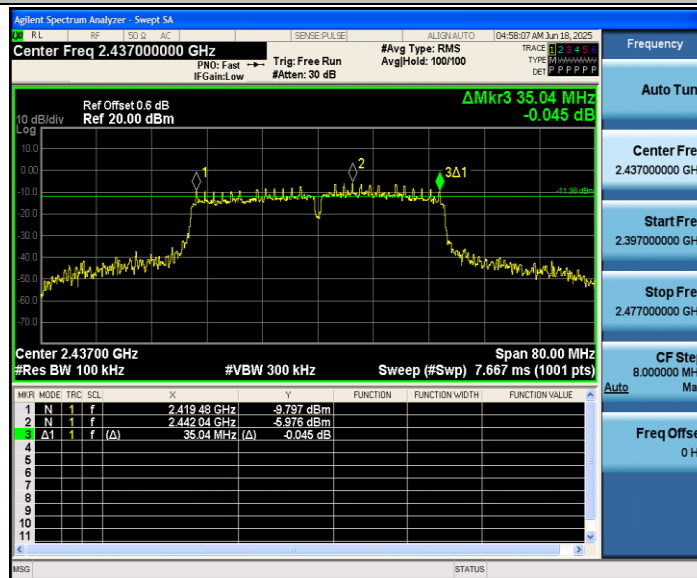
11AX20SISO_Ant1_2462



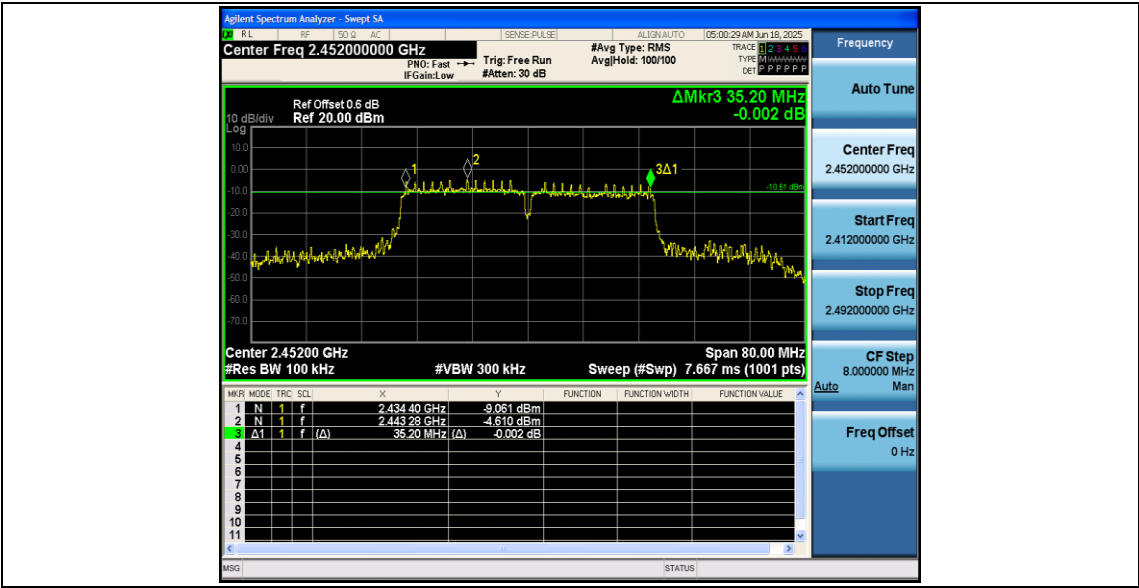
11AX40SISO_Ant1_2422



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	12.328	2405.7862	2418.1142	---	---
		2437	12.314	2431.0925	2443.4065	---	---
		2462	12.693	2455.4780	2468.1710	---	---
11G	Ant1	2412	16.829	2403.7518	2420.5808	---	---
		2437	16.667	2428.7949	2445.4619	---	---
		2462	16.973	2453.5868	2470.5598	---	---
11N20SISO	Ant1	2412	17.926	2403.2495	2421.1755	---	---
		2437	17.658	2428.3047	2445.9627	---	---
		2462	18.107	2453.0816	2471.1886	---	---
11N40SISO	Ant1	2422	36.291	2404.1282	2440.4192	---	---
		2437	35.992	2419.1170	2455.1090	---	---
		2452	36.444	2433.8068	2470.2508	---	---
11AX20SISO	Ant1	2412	17.900	2403.2354	2421.1354	---	---
		2437	17.667	2428.2710	2445.9380	---	---
		2462	18.021	2453.1267	2471.1477	---	---
11AX40SISO	Ant1	2422	36.371	2404.1414	2440.5124	---	---
		2437	36.048	2419.0473	2455.0953	---	---
		2452	36.529	2433.8350	2470.3640	---	---

Test Graphs

11B_Ant1_2412



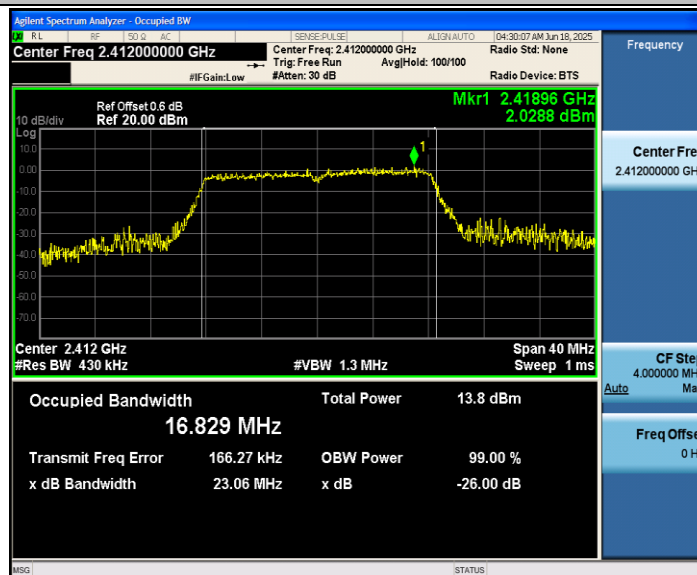
11B_Ant1_2437



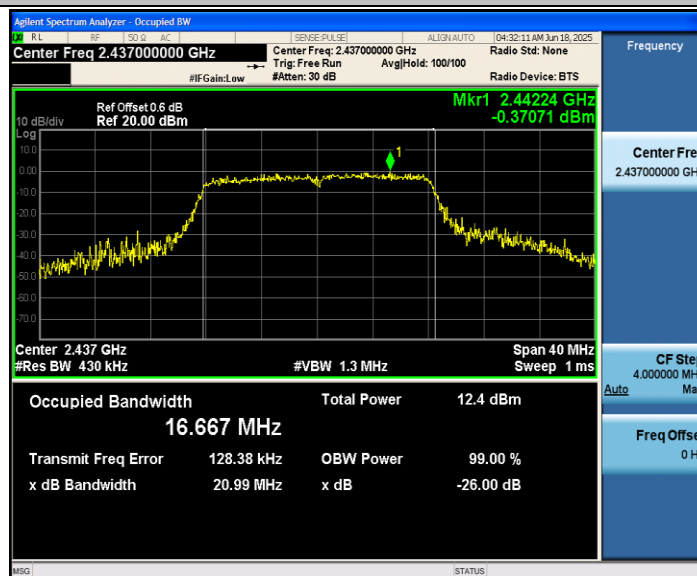
11B_Ant1_2462



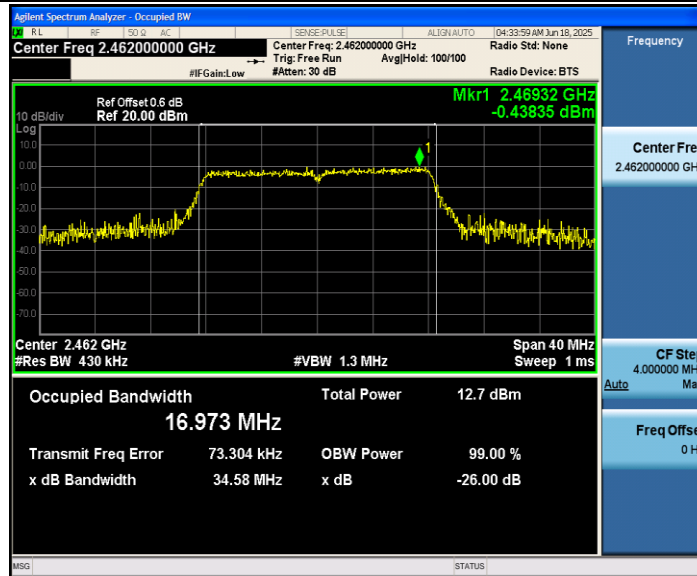
11G_Ant1_2412



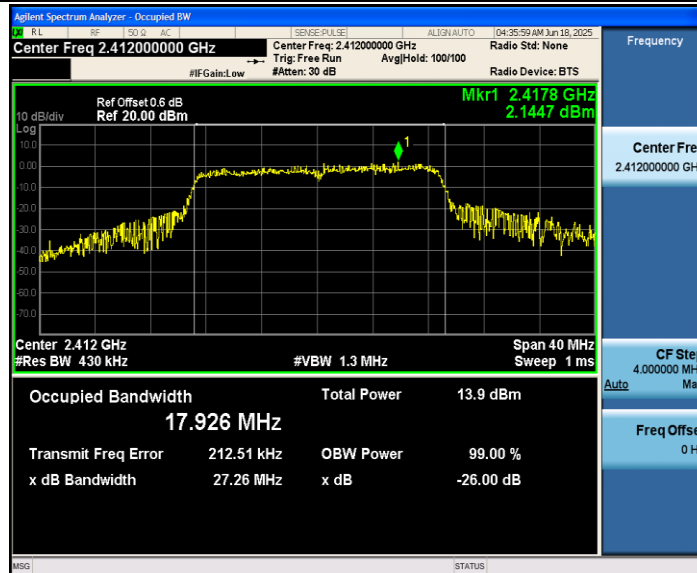
11G_Ant1_2437



11G_Ant1_2462



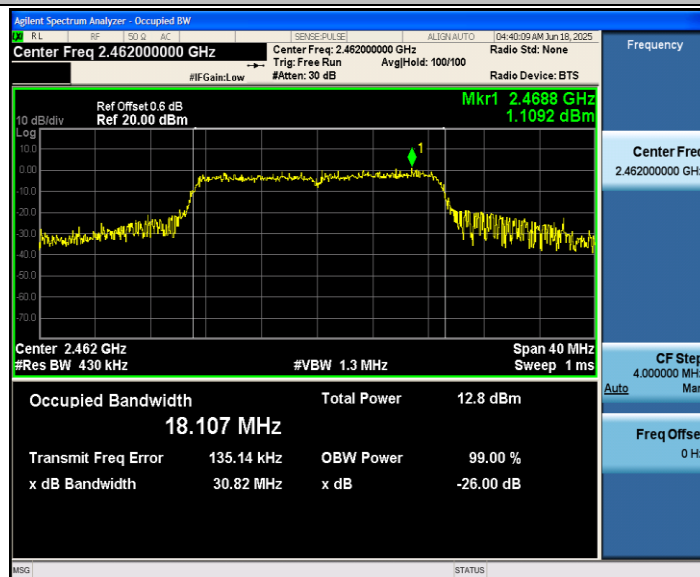
11N20SISO_Ant1_2412



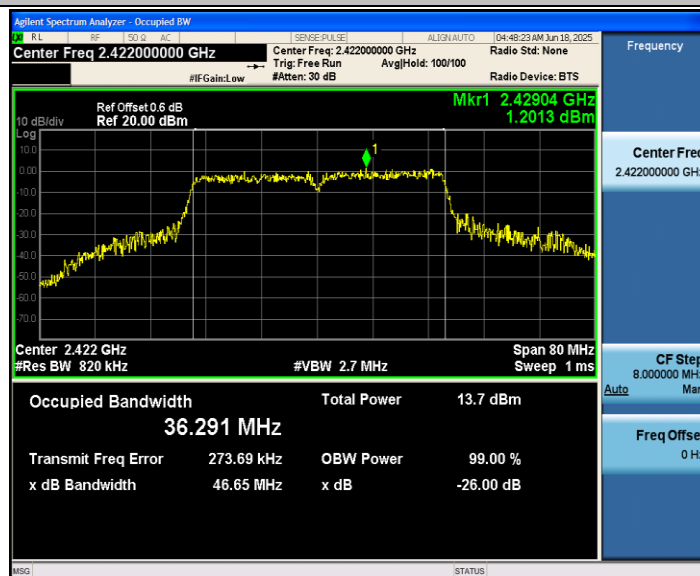
11N20SISO_Ant1_2437



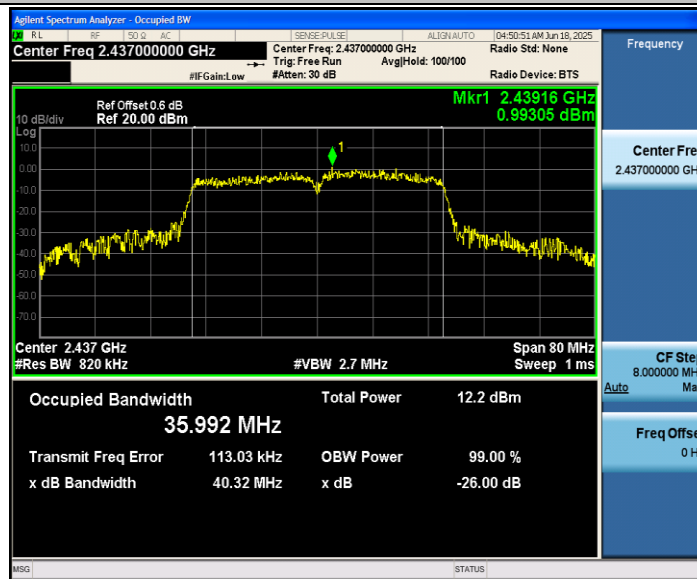
11N20SISO_Ant1_2462



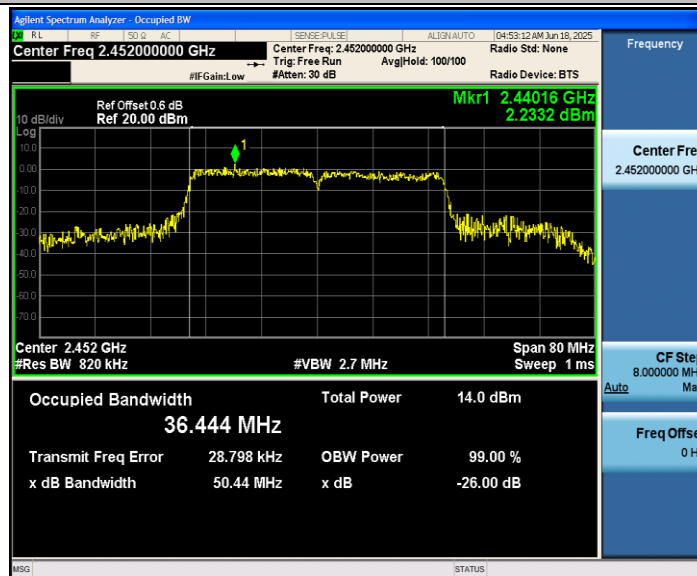
11N40SISO_Ant1_2422



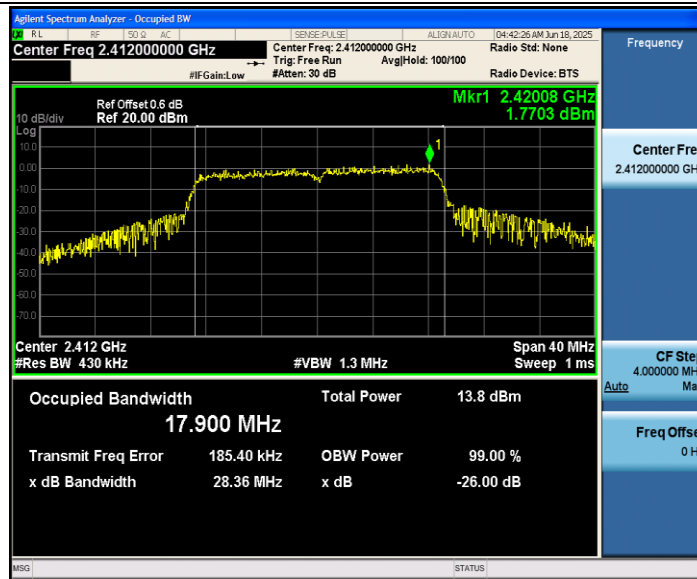
11N40SISO_Ant1_2437



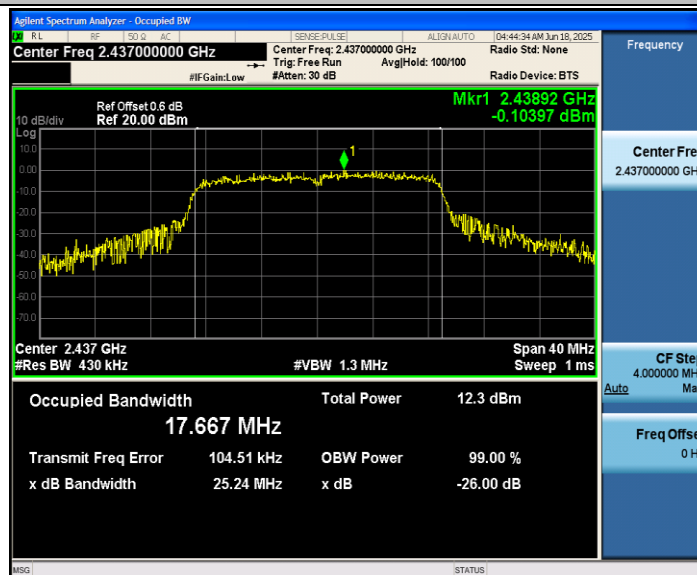
11N40SISO_Ant1_2452



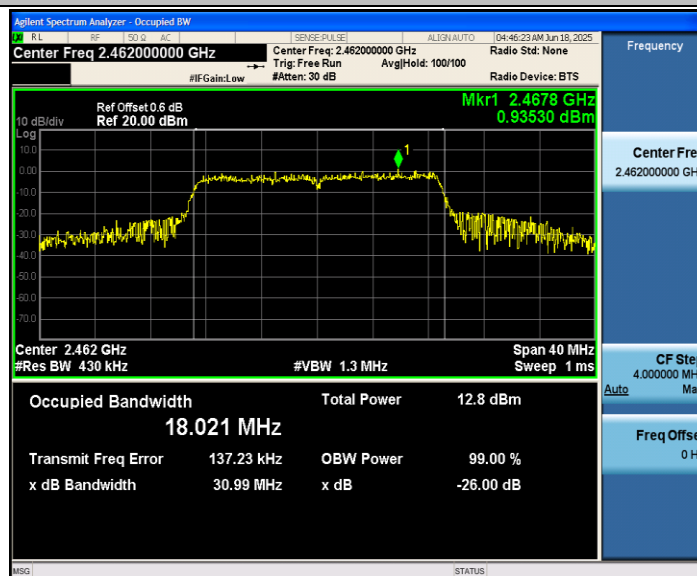
11AX20SISO_Ant1_2412



11AX20SISO_Ant1_2437



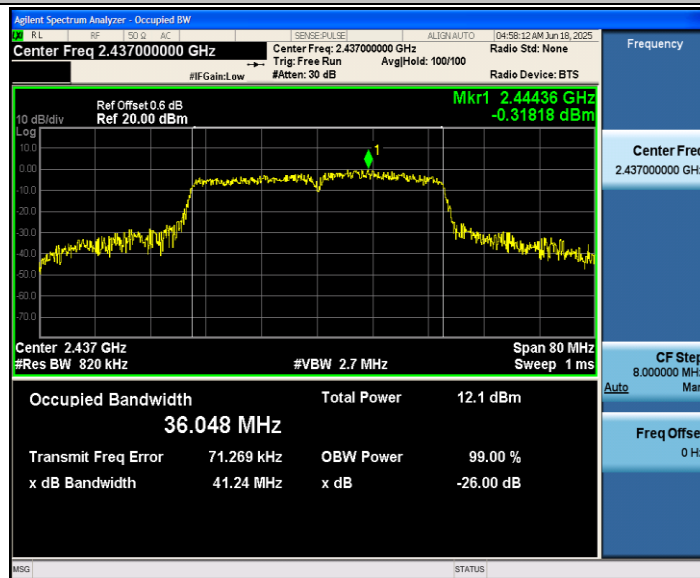
11AX20SISO_Ant1_2462



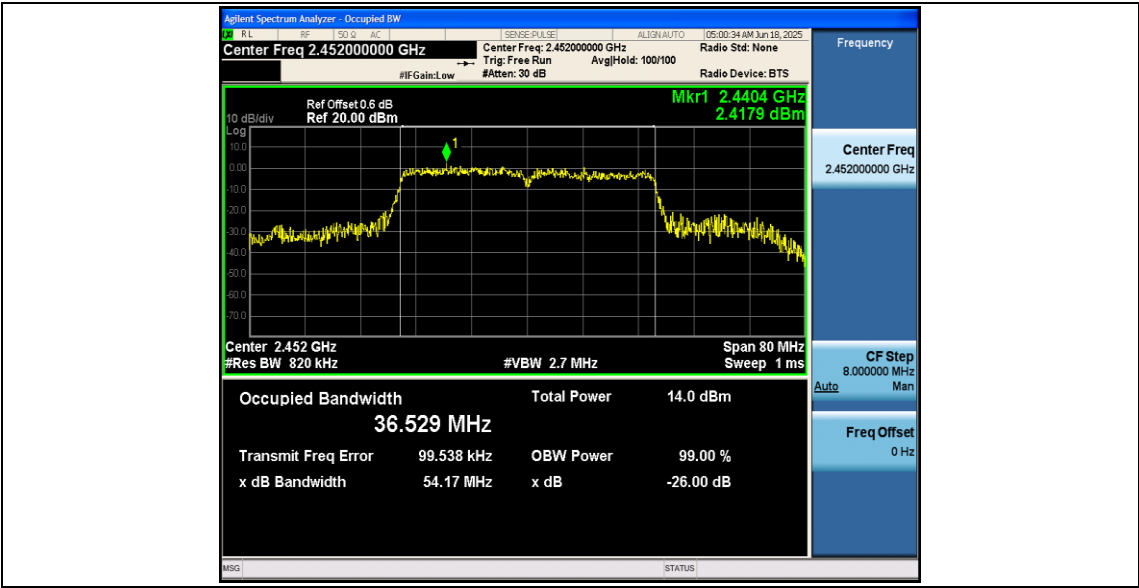
11AX40SISO_Ant1_2422



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	14.52	≤30.00	PASS
		2437	14.64	≤30.00	PASS
		2462	13.64	≤30.00	PASS
11G	Ant1	2412	14.32	≤30.00	PASS
		2437	12.89	≤30.00	PASS
		2462	13.30	≤30.00	PASS
11N20SISO	Ant1	2412	14.41	≤30.00	PASS
		2437	12.91	≤30.00	PASS
		2462	13.39	≤30.00	PASS
11N40SISO	Ant1	2422	13.69	≤30.00	PASS
		2437	12.24	≤30.00	PASS
		2452	14.05	≤30.00	PASS
11AX20SISO	Ant1	2412	14.34	≤30.00	PASS
		2437	12.76	≤30.00	PASS
		2462	13.27	≤30.00	PASS
11AX40SISO	Ant1	2422	13.78	≤30.00	PASS
		2437	12.22	≤30.00	PASS
		2452	14.03	≤30.00	PASS

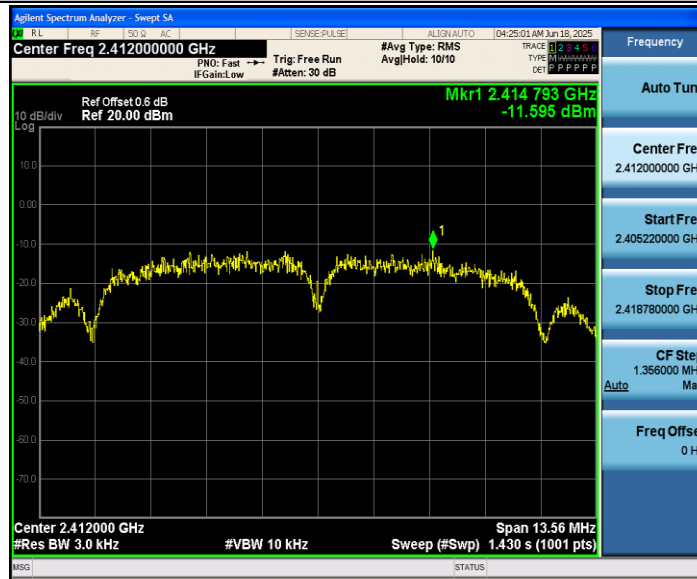
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-11.60	≤8.00	PASS
		2437	-10.27	≤8.00	PASS
		2462	-11.88	≤8.00	PASS
11G	Ant1	2412	-17.71	≤8.00	PASS
		2437	-18.72	≤8.00	PASS
		2462	-18.37	≤8.00	PASS
11N20SISO	Ant1	2412	-17.50	≤8.00	PASS
		2437	-17.60	≤8.00	PASS
		2462	-18.38	≤8.00	PASS
11N40SISO	Ant1	2422	-20.92	≤8.00	PASS
		2437	-22.26	≤8.00	PASS
		2452	-20.30	≤8.00	PASS
11AX20SISO	Ant1	2412	-17.88	≤8.00	PASS
		2437	-18.90	≤8.00	PASS
		2462	-17.93	≤8.00	PASS
11AX40SISO	Ant1	2422	-19.58	≤8.00	PASS
		2437	-22.44	≤8.00	PASS
		2452	-20.35	≤8.00	PASS

Test Graphs

11B_Ant1_2412



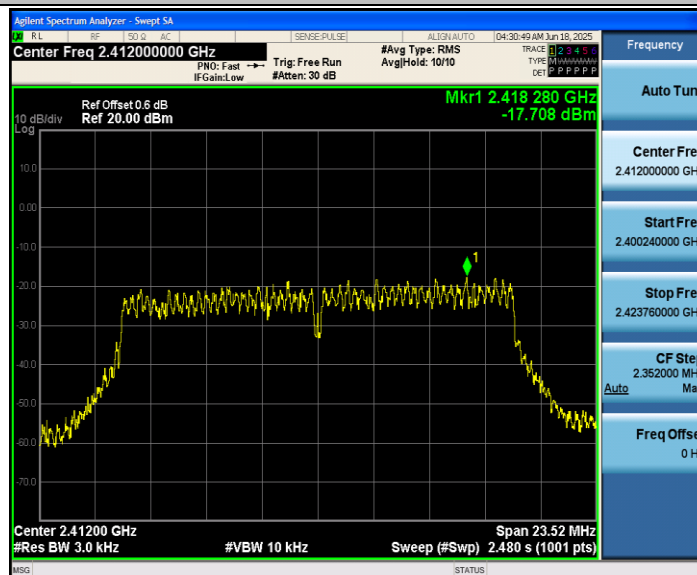
11B_Ant1_2437



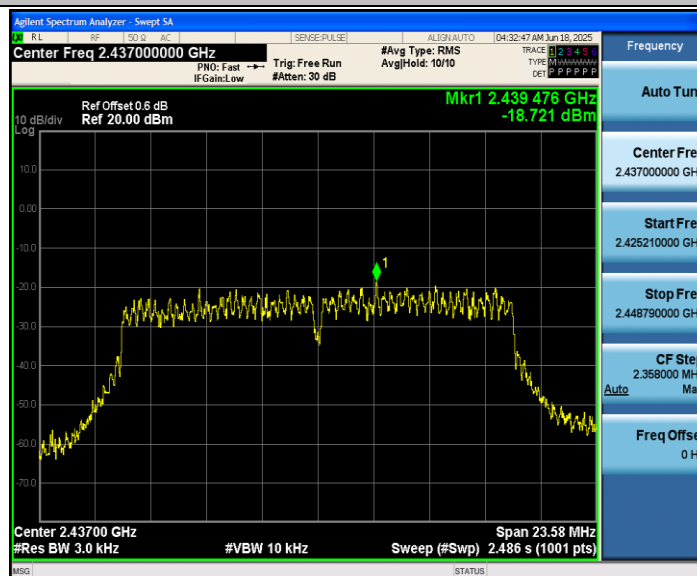
11B_Ant1_2462



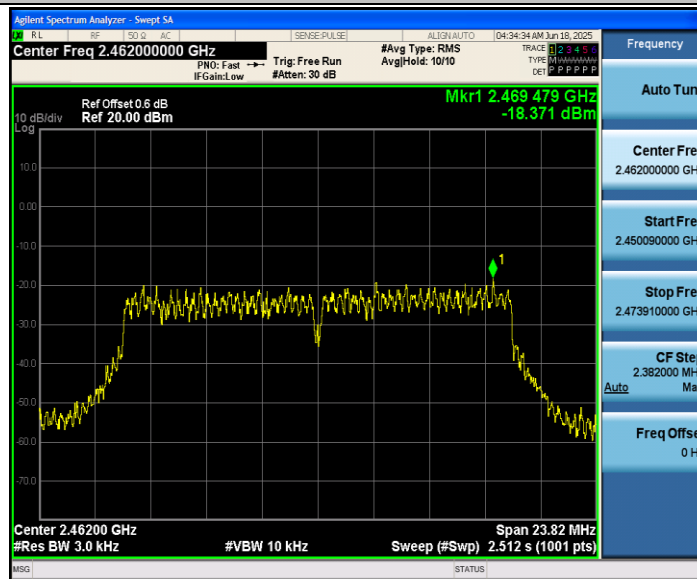
11G_Ant1_2412



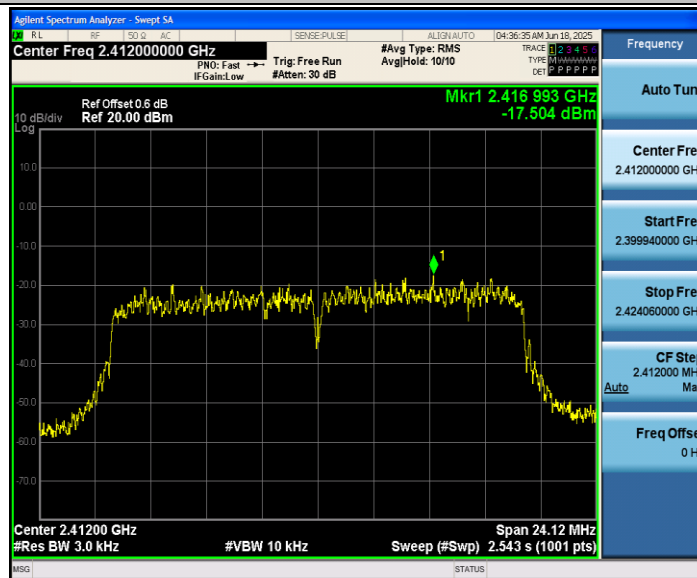
11G_Ant1_2437



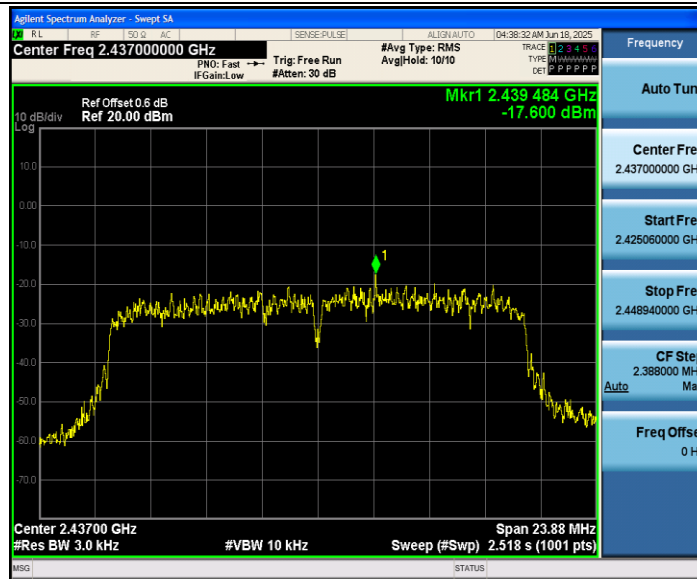
11G_Ant1_2462



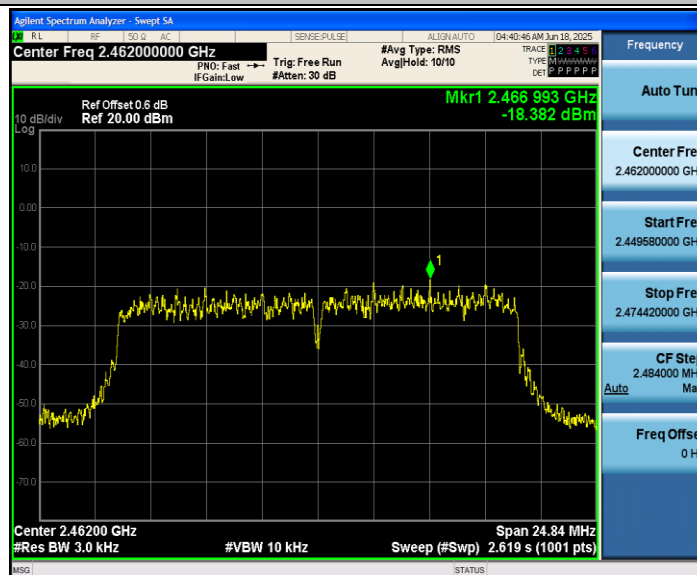
11N20SISO_Ant1_2412



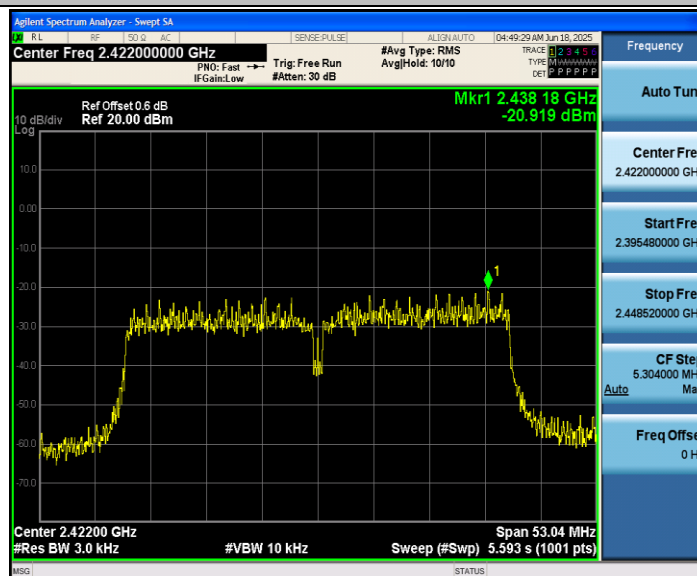
11N20SISO_Ant1_2437



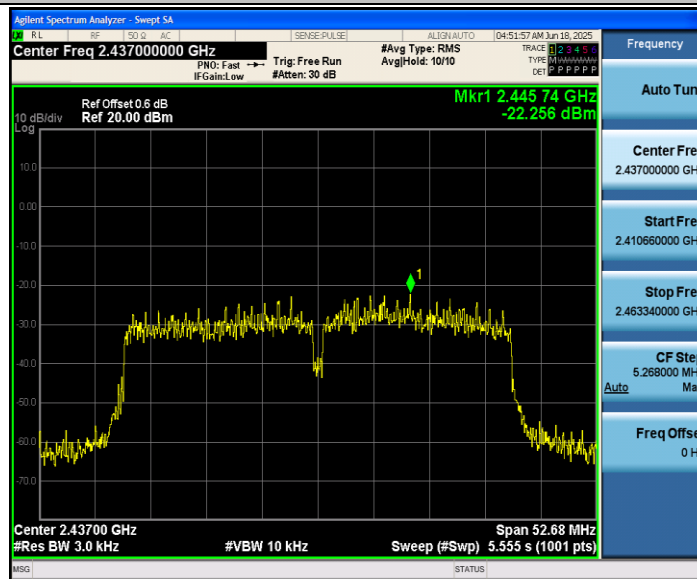
11N20SISO_Ant1_2462



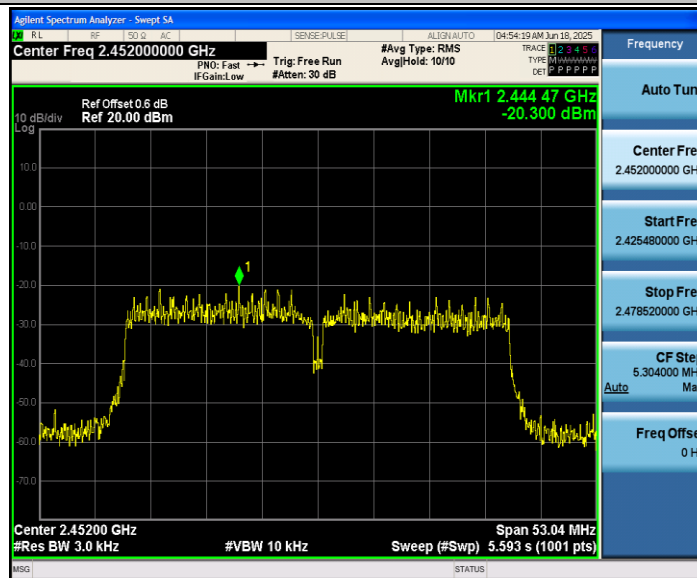
11N40SISO_Ant1_2422



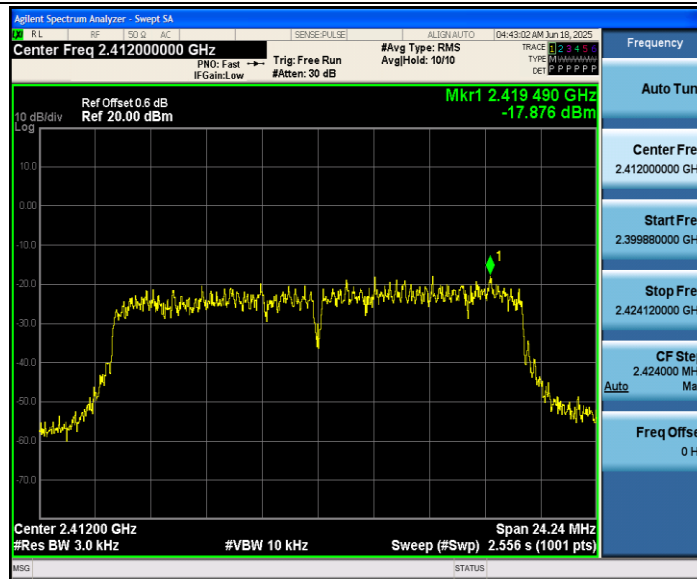
11N40SISO_Ant1_2437



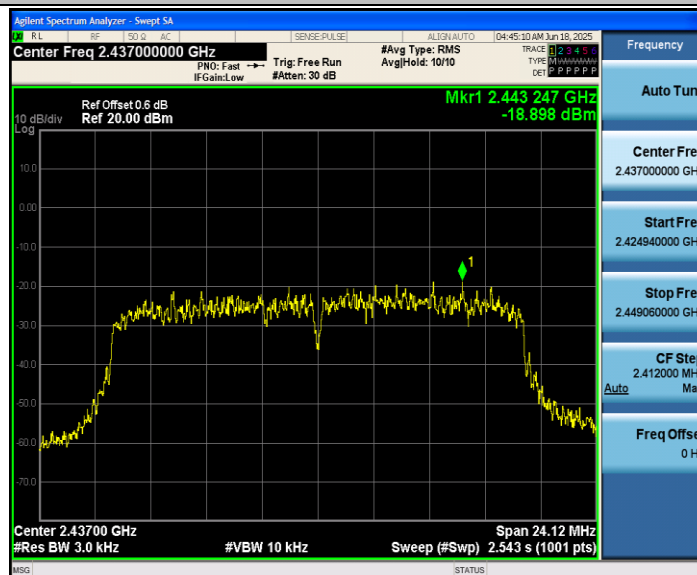
11N40SISO_Ant1_2452



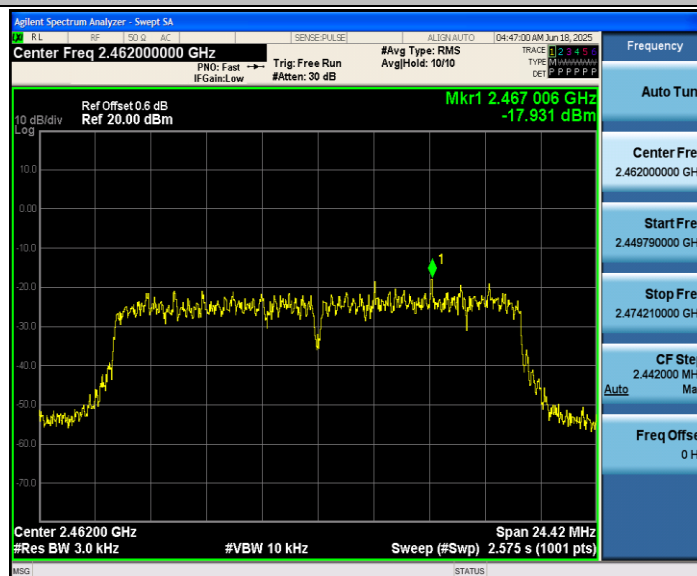
11AX20SISO_Ant1_2412



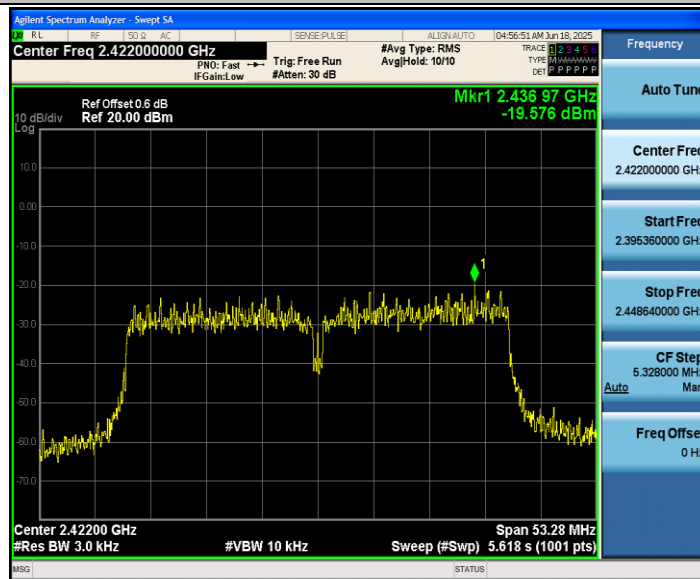
11AX20SISO_Ant1_2437



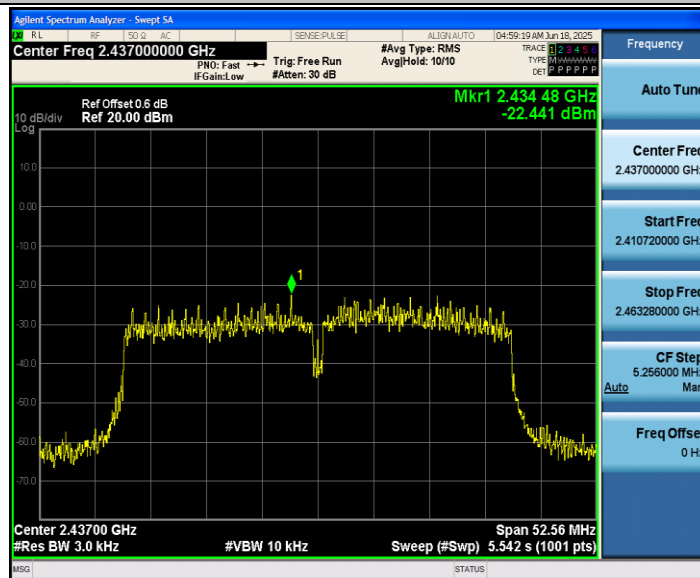
11AX20SISO_Ant1_2462



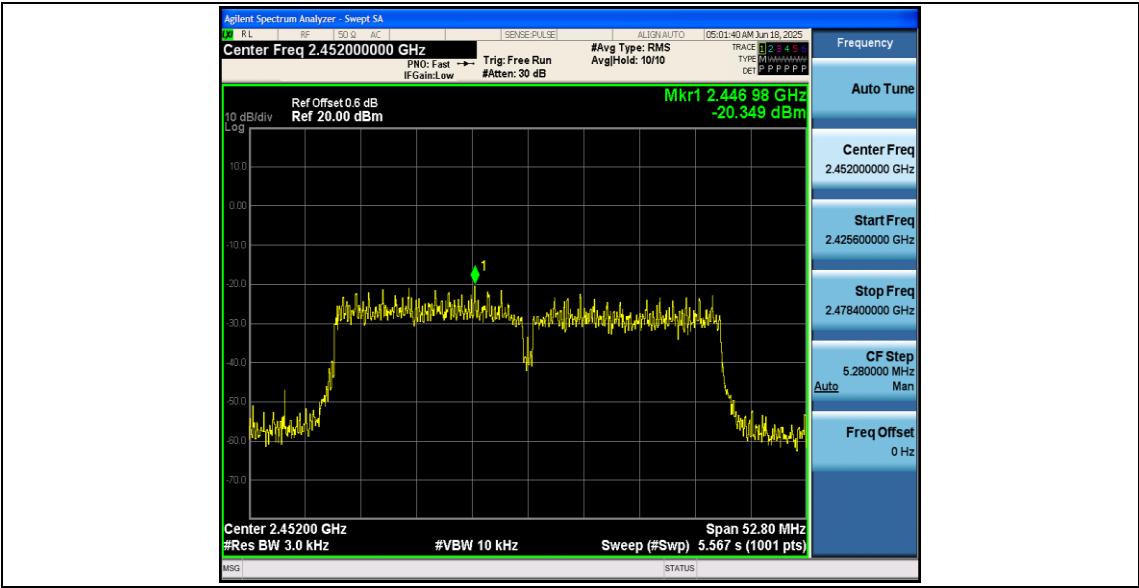
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



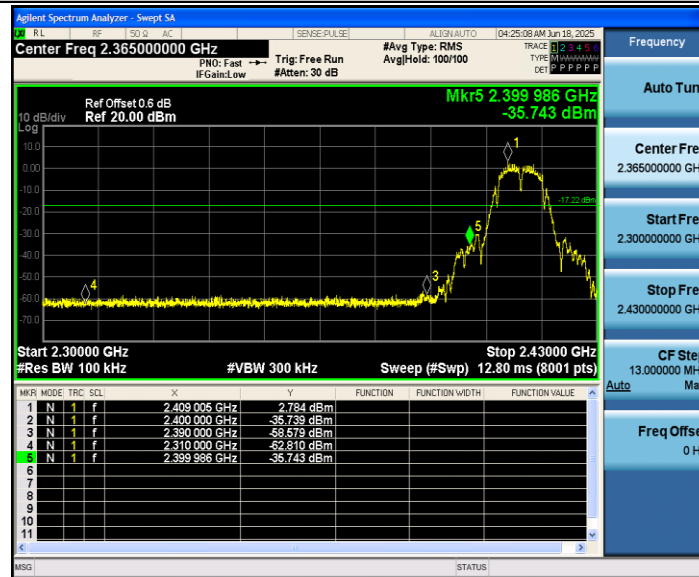
Appendix E: Band edge measurements

Test Result

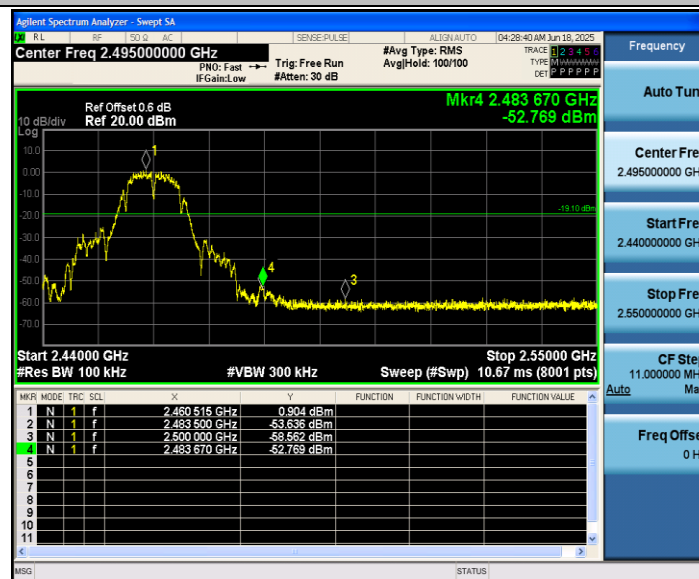
TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.78	-35.74	≤-17.22	PASS
		High	2462	0.90	-52.77	≤-19.1	PASS
11G	Ant1	Low	2412	-1.33	-35.26	≤-21.33	PASS
		High	2462	-2.59	-36.45	≤-22.59	PASS
11N20SISO	Ant1	Low	2412	-1.23	-34.1	≤-21.23	PASS
		High	2462	-2.75	-38.59	≤-22.75	PASS
11N40SISO	Ant1	Low	2422	-4.78	-36.48	≤-24.78	PASS
		High	2452	-4.66	-35.37	≤-24.66	PASS
11AX20SISO	Ant1	Low	2412	-1.18	-34.21	≤-21.18	PASS
		High	2462	-2.43	-38.05	≤-22.43	PASS
11AX40SISO	Ant1	Low	2422	-4.76	-36.71	≤-24.76	PASS
		High	2452	-4.65	-35.73	≤-24.65	PASS

Test Graphs

11B_Ant1_Low_2412



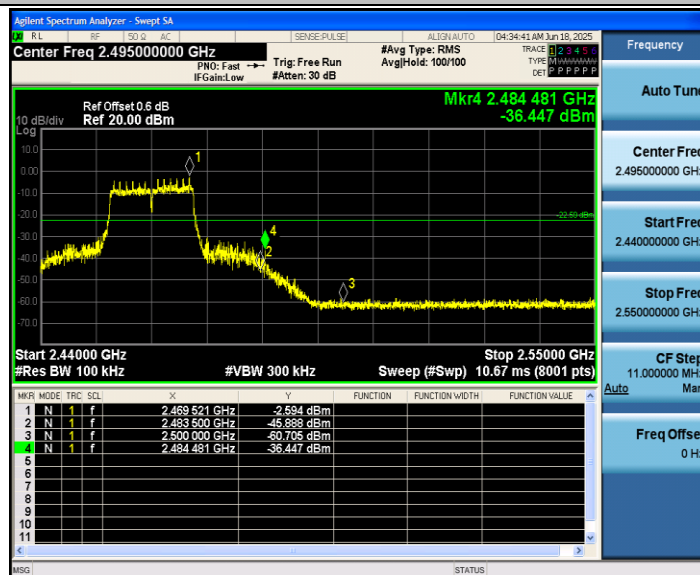
11B_Ant1_High_2462



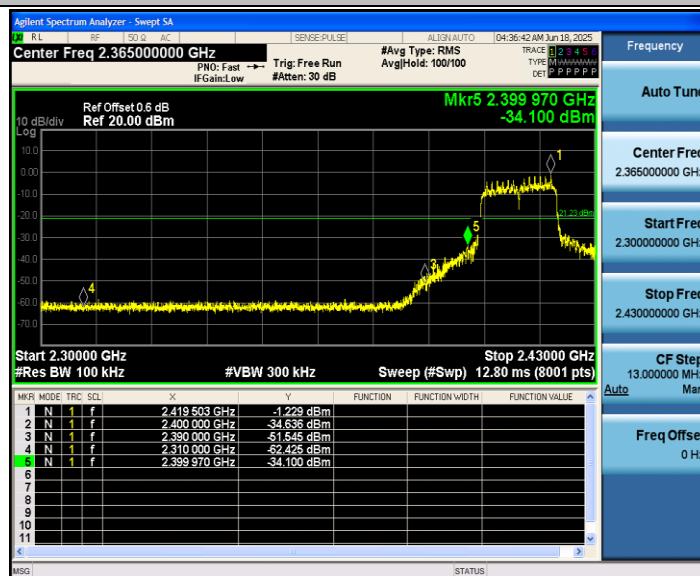
11G_Ant1_Low_2412



11G_Ant1_High_2462



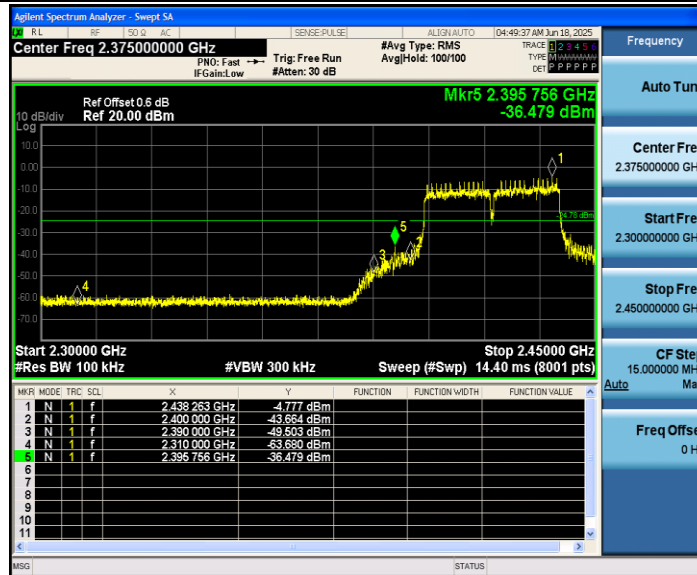
11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



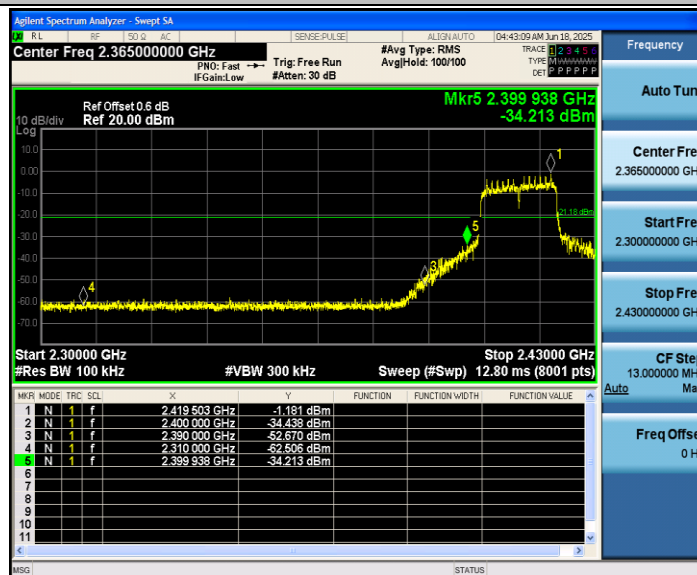
11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



11AX20SISO_Ant1_Low_2412



11AX20SISO_Ant1_High_2462

