

FCC Appendix RF Test Data for 2.4GWIFI

FCC ID : 2BV48-F11

Company : Shenzhen Huayue Zhijie Technology Co., Ltd.

EUT : Tablet PC

Model Number : F11

Report No. : CTA26041601303

Reviewed By : Eric Wang

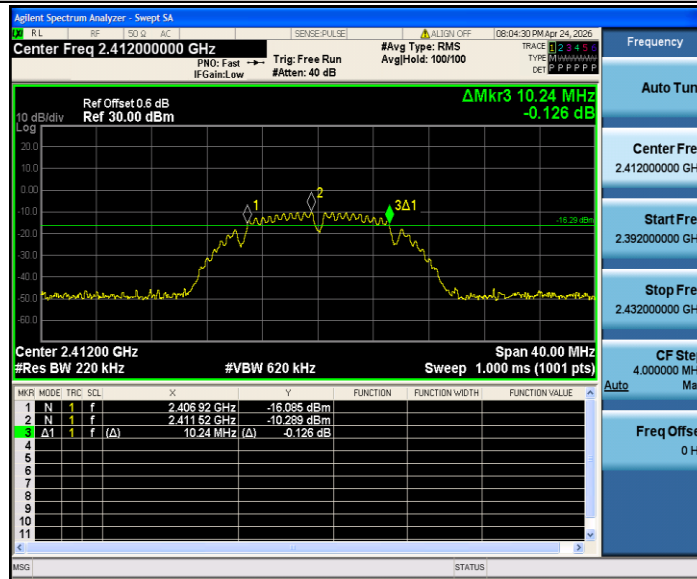
Appendix A: DTS Bandwidth

Test Result

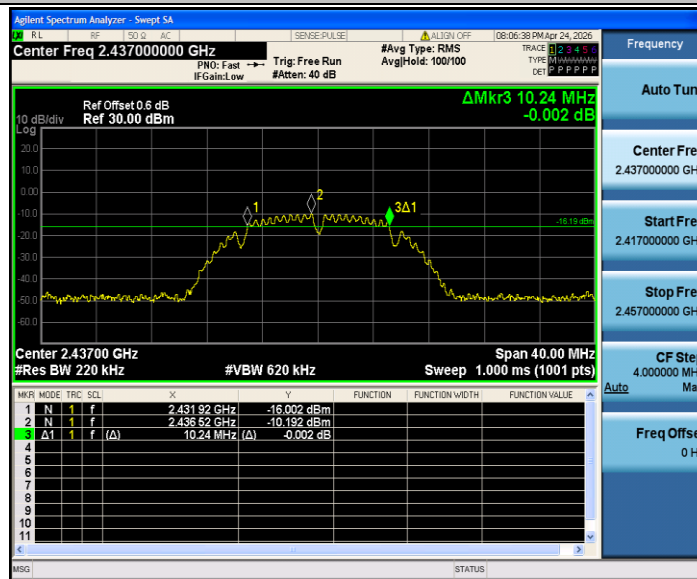
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.240	2406.920	2417.160	0.5	PASS
		2437	10.240	2431.920	2442.160	0.5	PASS
		2462	10.200	2456.920	2467.120	0.5	PASS
11G	Ant1	2412	15.360	2404.440	2419.800	0.5	PASS
		2437	16.000	2429.040	2445.040	0.5	PASS
		2462	15.760	2454.120	2469.880	0.5	PASS
11N20SISO	Ant1	2412	16.440	2404.080	2420.520	0.5	PASS
		2437	16.800	2428.640	2445.440	0.5	PASS
		2462	16.640	2453.840	2470.480	0.5	PASS
11N40SISO	Ant1	2422	35.760	2404.080	2439.840	0.5	PASS
		2437	35.840	2419.160	2455.000	0.5	PASS
		2452	35.760	2434.160	2469.920	0.5	PASS

Test Graphs

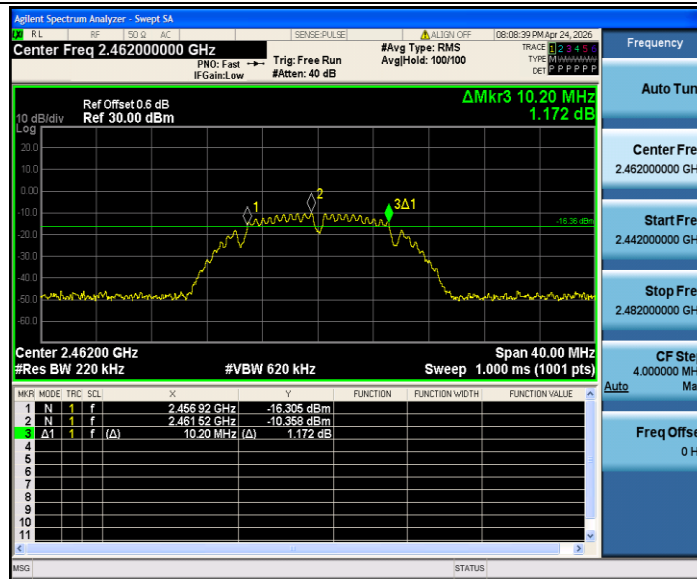
11B_Ant1_2412



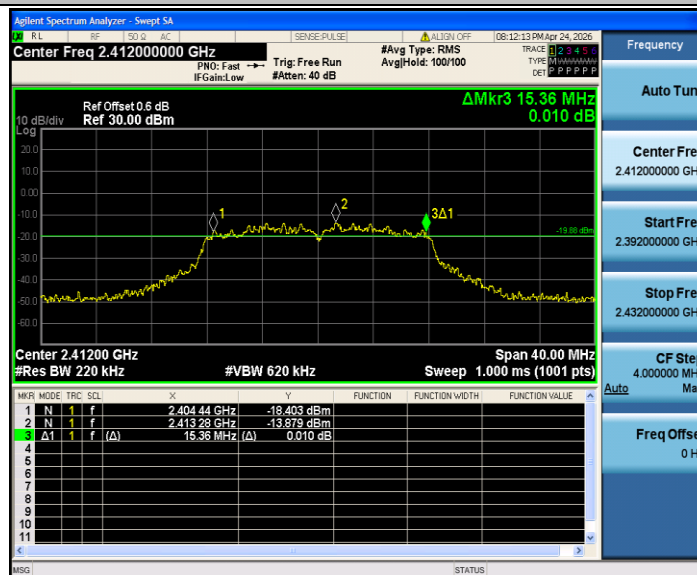
11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437

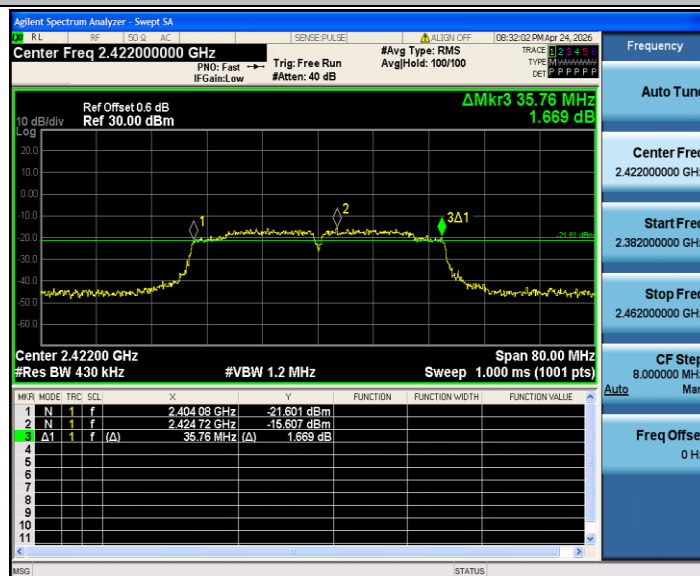




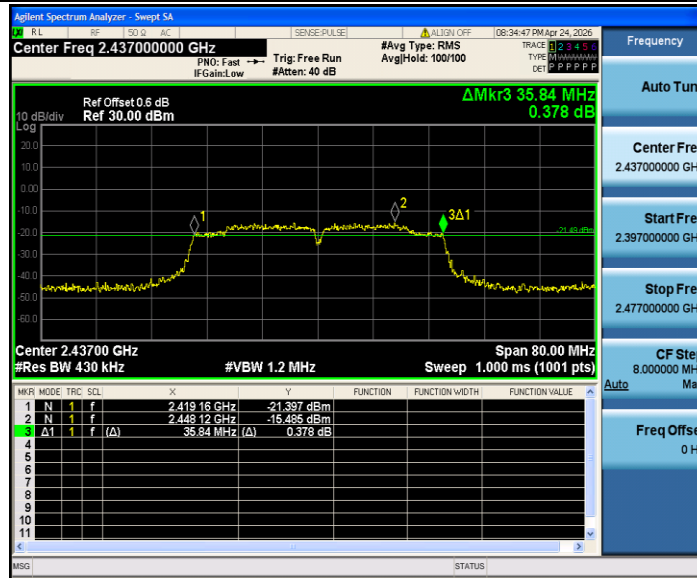
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



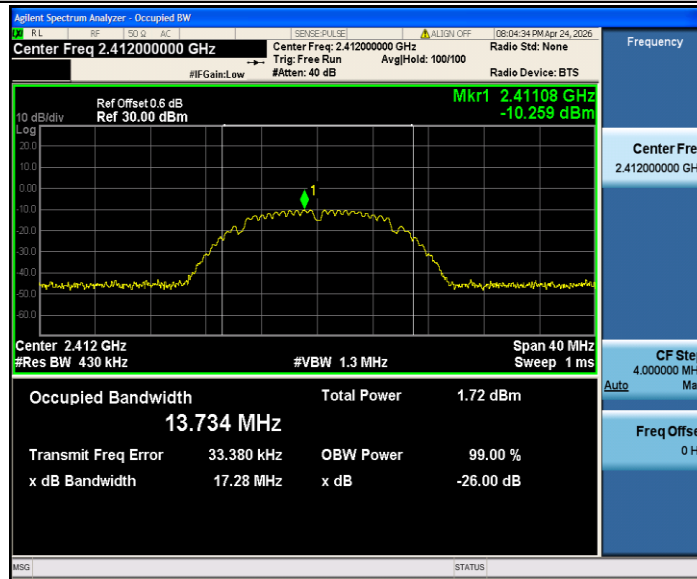
Appendix B: Occupied Channel Bandwidth

Test Result

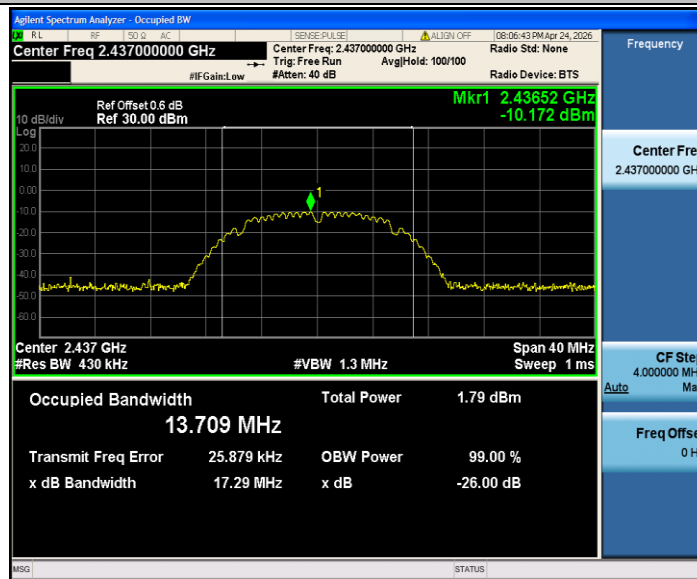
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.734	2405.1664	2418.9004	---	---
		2437	13.709	2430.1714	2443.8804	---	---
		2462	13.731	2455.1629	2468.8939	---	---
11G	Ant1	2412	16.982	2403.5382	2420.5202	---	---
		2437	16.955	2428.5519	2445.5069	---	---
		2462	16.983	2453.5341	2470.5171	---	---
11N20SISO	Ant1	2412	17.992	2403.0186	2421.0106	---	---
		2437	17.969	2428.0329	2446.0019	---	---
		2462	17.986	2453.0325	2471.0185	---	---
11N40SISO	Ant1	2422	36.272	2403.9159	2440.1879	---	---
		2437	36.246	2418.9750	2455.2210	---	---
		2452	36.336	2433.9278	2470.2638	---	---

Test Graphs

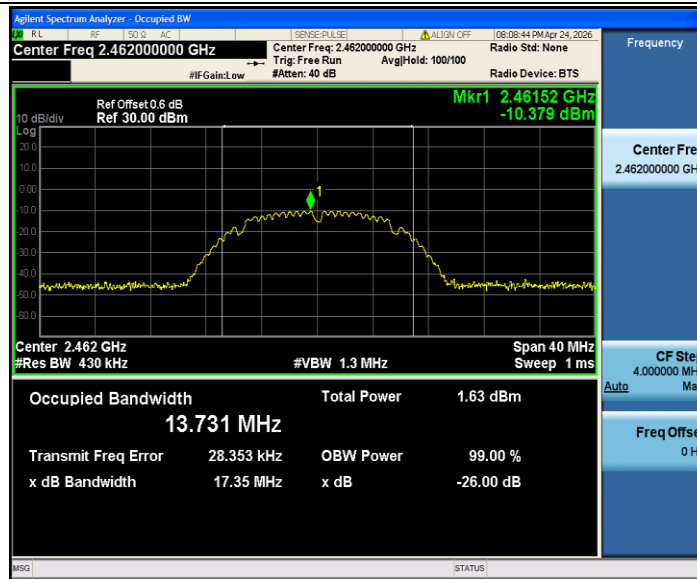
11B_Ant1_2412



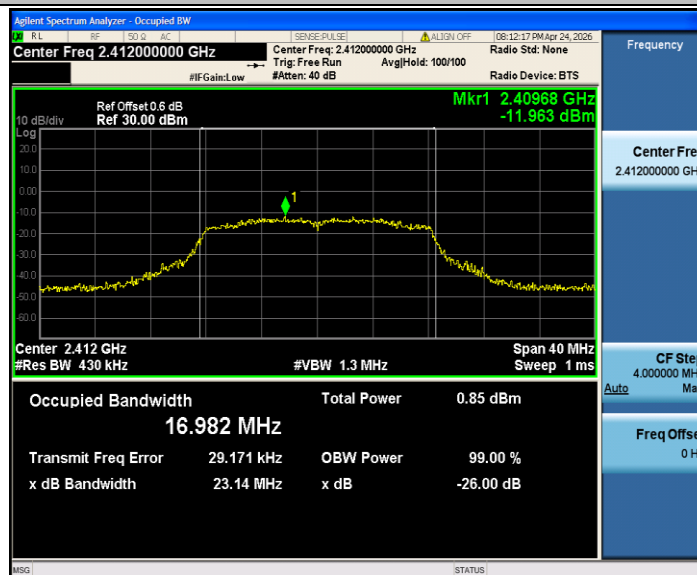
11B_Ant1_2437



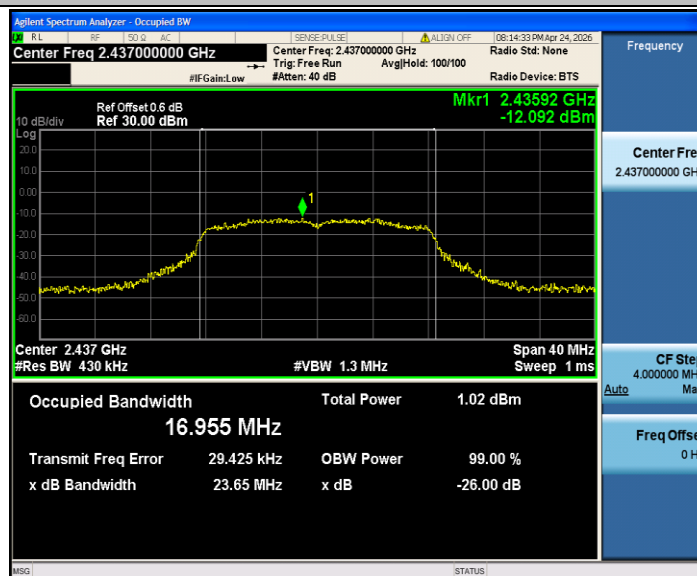
11B_Ant1_2462



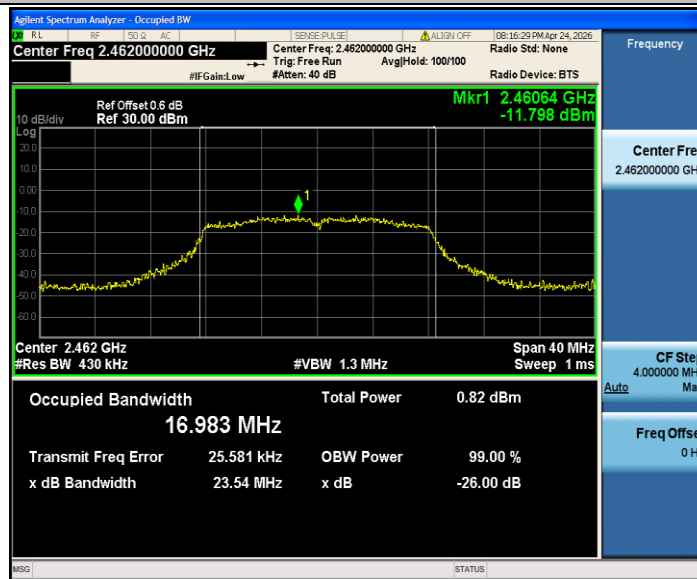
11G_Ant1_2412



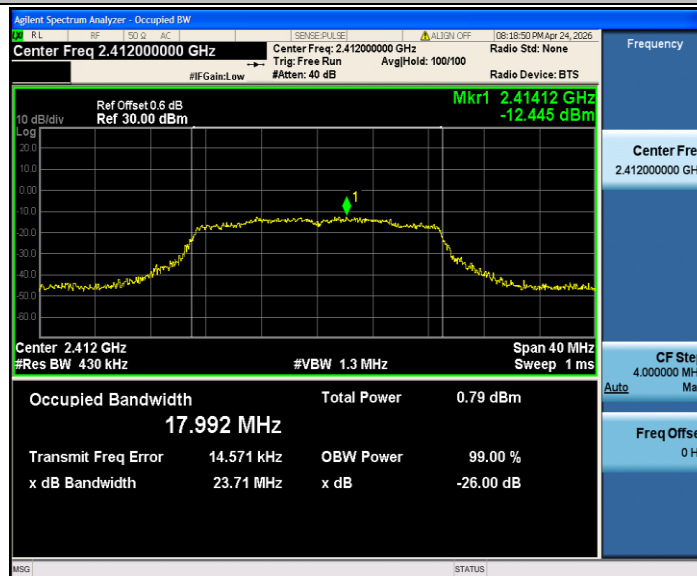
11G_Ant1_2437



11G_Ant1_2462



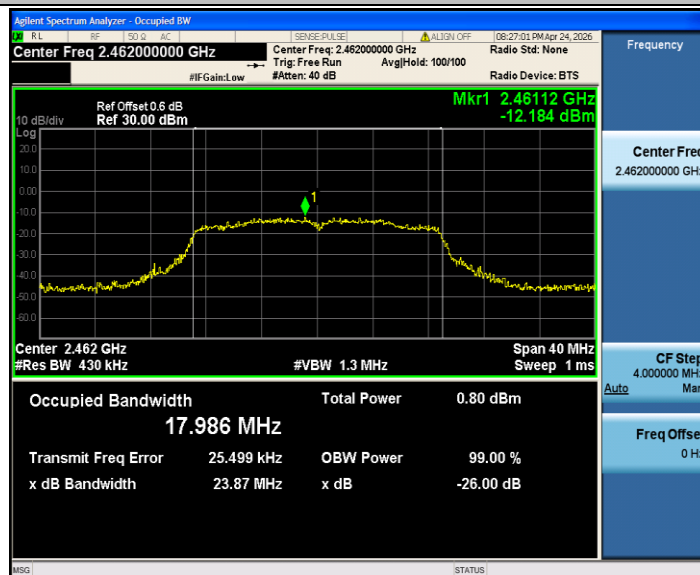
11N20SISO_Ant1_2412



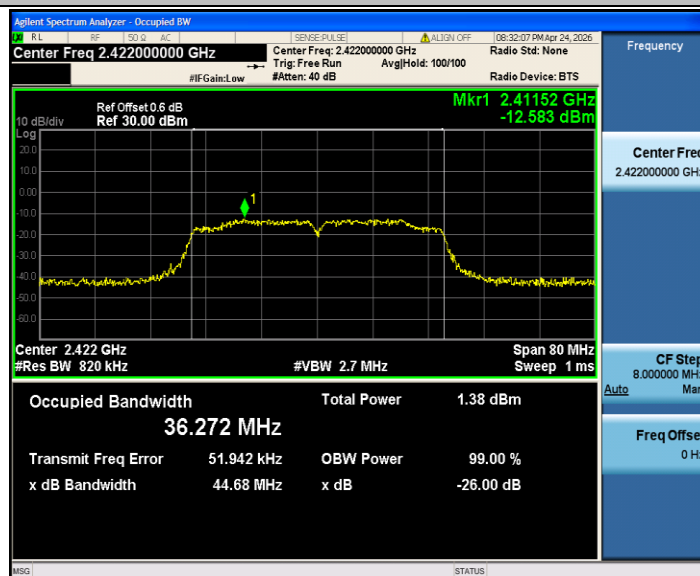
11N20SISO_Ant1_2437



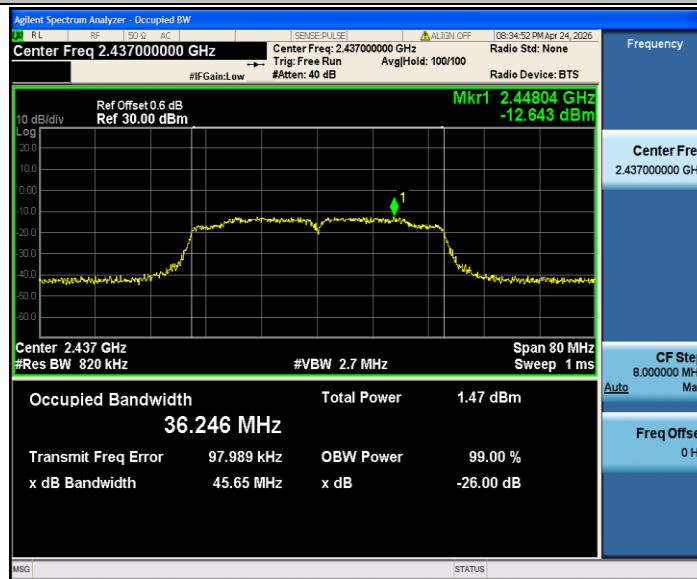
11N20SISO_Ant1_2462



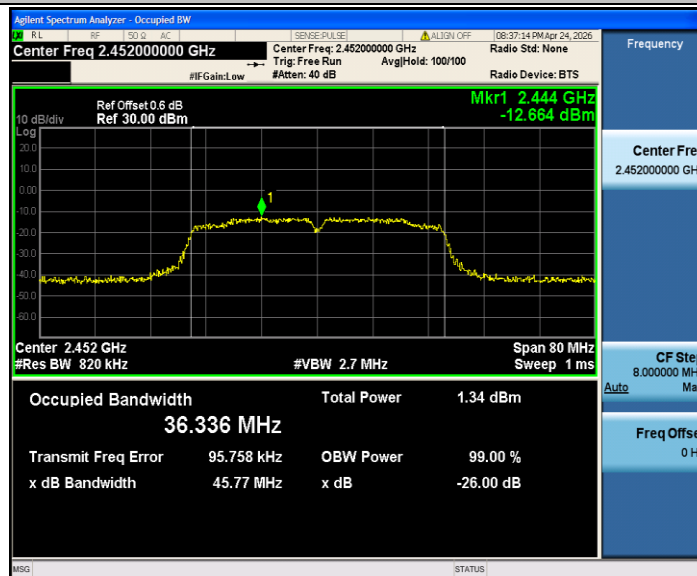
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Frequency[MHz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	1.39	≤30.00	PASS
		2437	1.48	≤30.00	PASS
		2462	1.30	≤30.00	PASS
11G	Ant1	2412	1.79	≤30.00	PASS
		2437	1.93	≤30.00	PASS
		2462	1.79	≤30.00	PASS
11N20SISO	Ant1	2412	1.58	≤30.00	PASS
		2437	1.77	≤30.00	PASS
		2462	1.62	≤30.00	PASS
11N40SISO	Ant1	2422	1.51	≤30.00	PASS
		2437	1.56	≤30.00	PASS
		2452	1.43	≤30.00	PASS

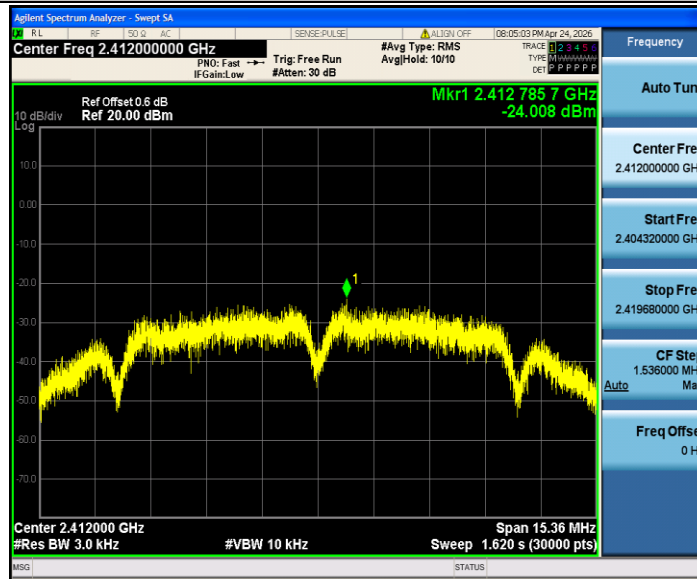
Appendix D: Maximum power spectral density

Test Result

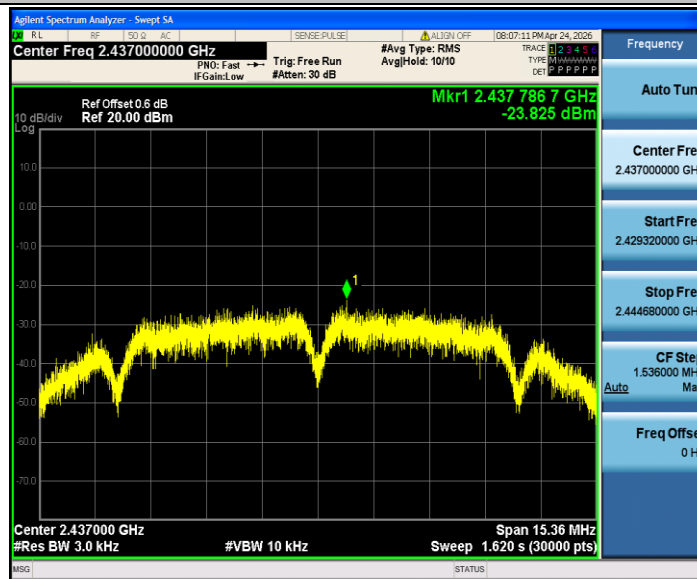
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-24.01	≤8.00	PASS
		2437	-23.83	≤8.00	PASS
		2462	-24.82	≤8.00	PASS
11G	Ant1	2412	-30.26	≤8.00	PASS
		2437	-29.82	≤8.00	PASS
		2462	-29.71	≤8.00	PASS
11N20SISO	Ant1	2412	-30.34	≤8.00	PASS
		2437	-28.71	≤8.00	PASS
		2462	-29.42	≤8.00	PASS
11N40SISO	Ant1	2422	-32.51	≤8.00	PASS
		2437	-32.88	≤8.00	PASS
		2452	-32.24	≤8.00	PASS

Test Graphs

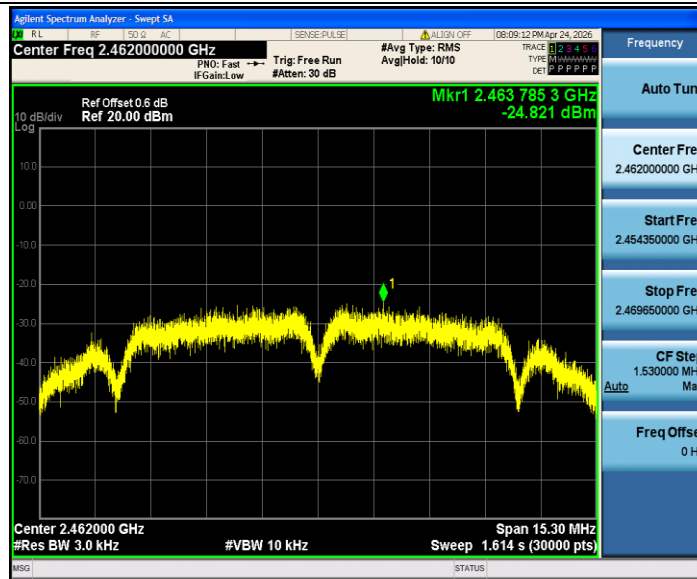
11B_Ant1_2412



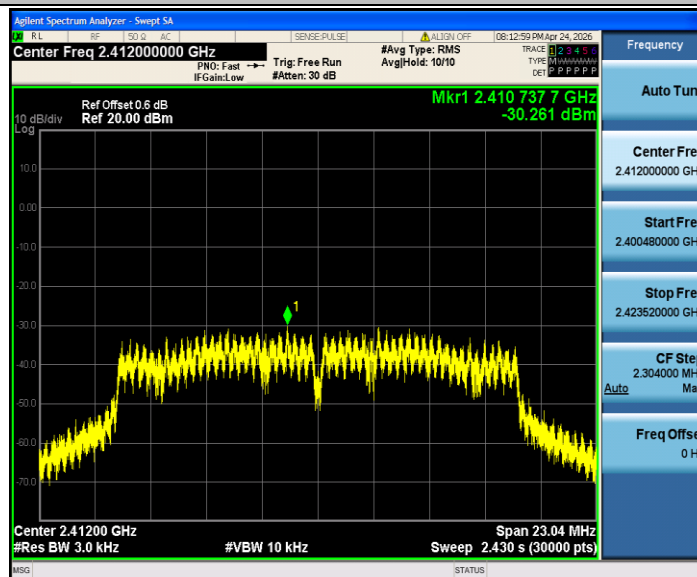
11B_Ant1_2437



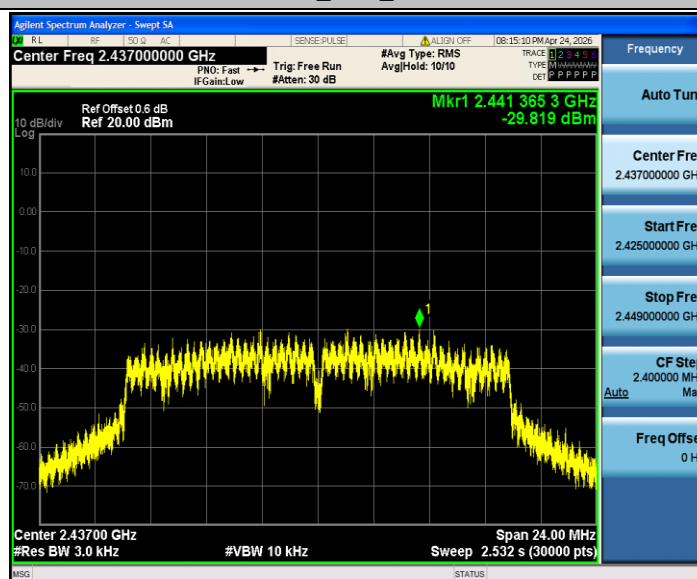
11B_Ant1_2462



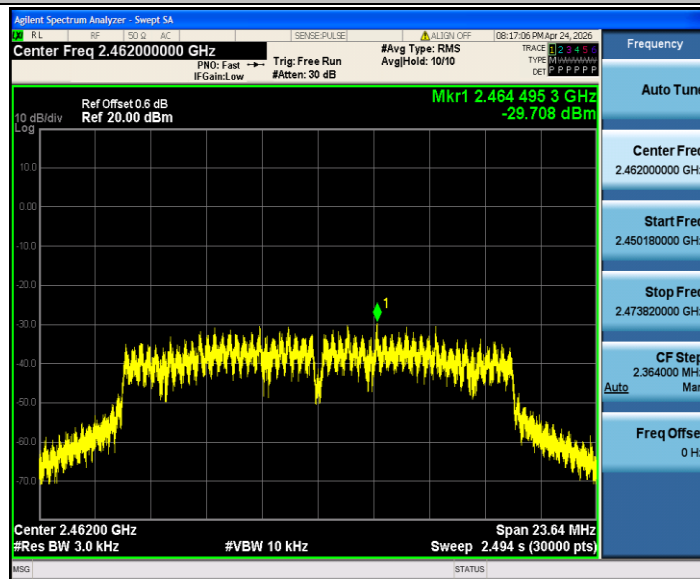
11G_Ant1_2412



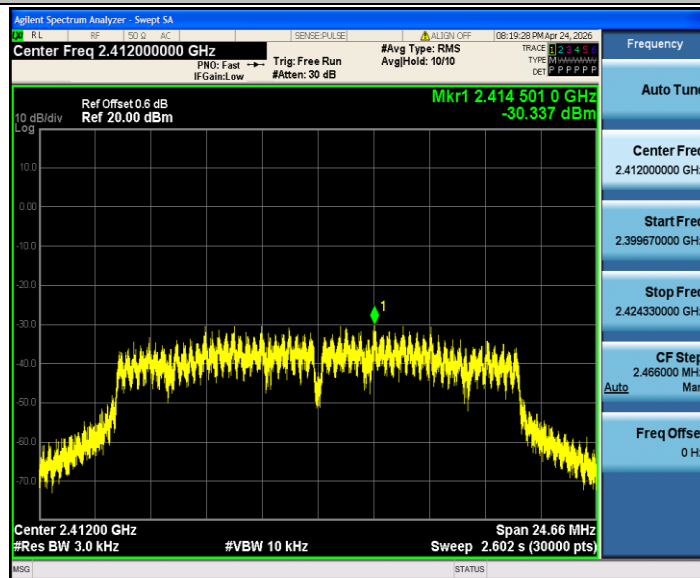
11G_Ant1_2437



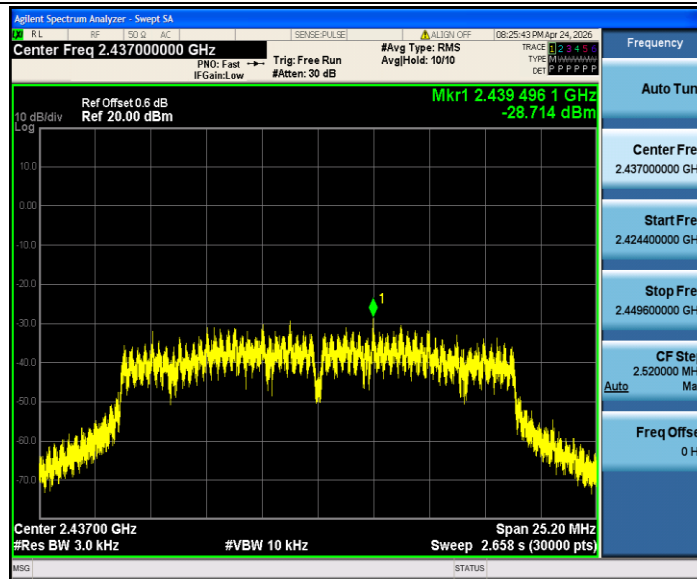
11G_Ant1_2462



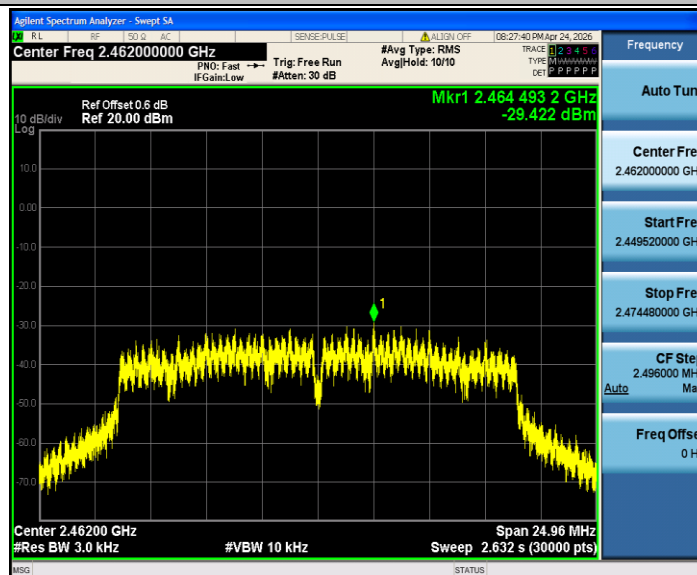
11N20SISO_Ant1_2412



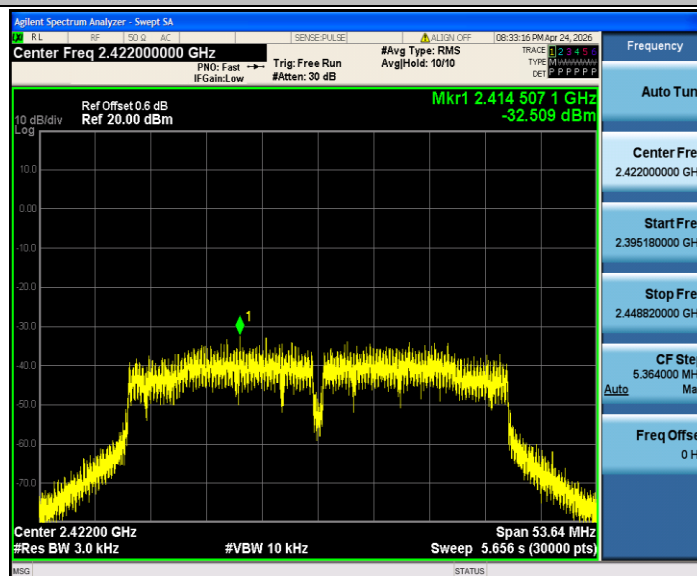
11N20SISO_Ant1_2437



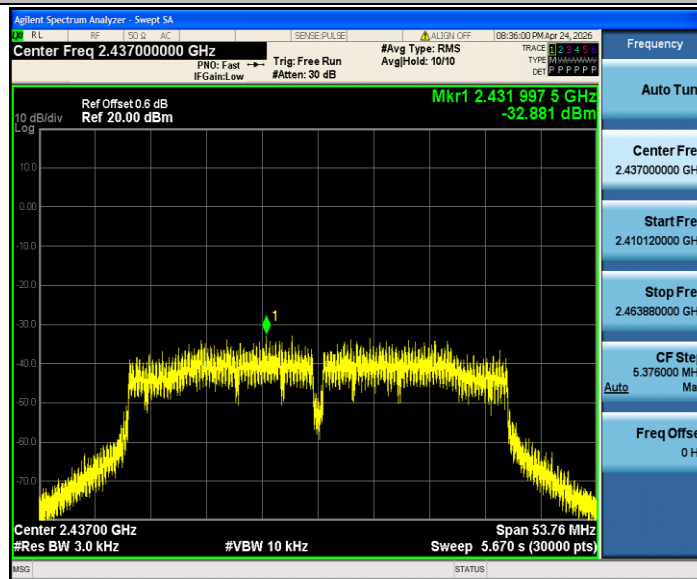
11N20SISO_Ant1_2462



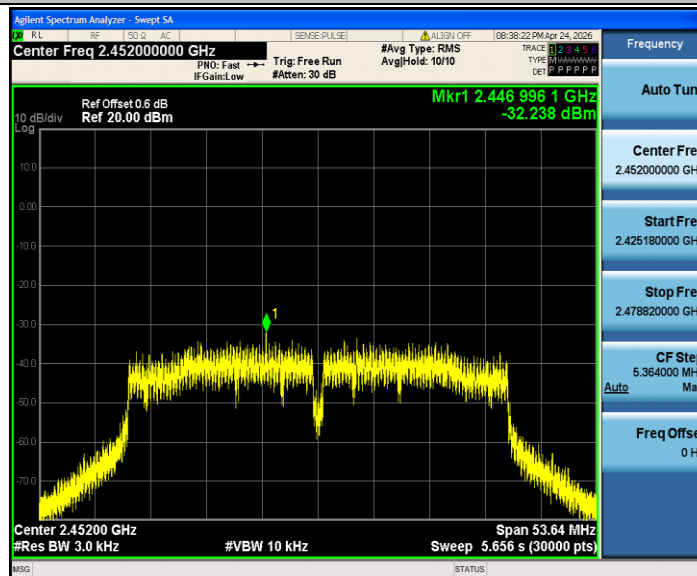
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



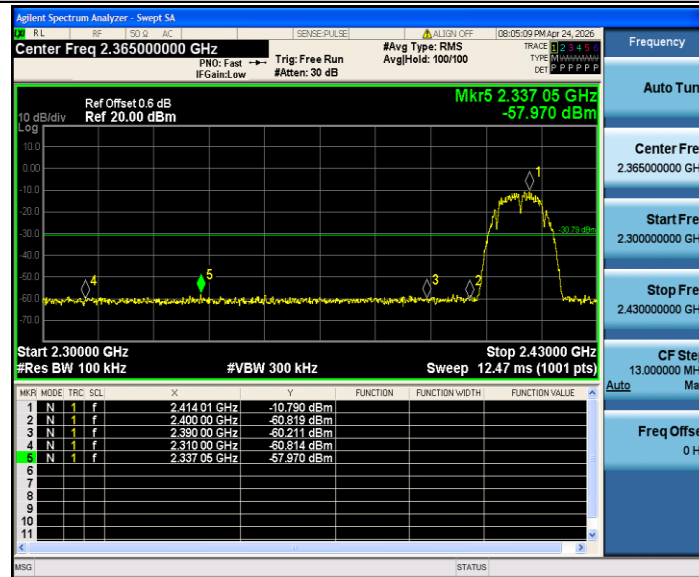
Appendix E: Band edge measurements

Test Result

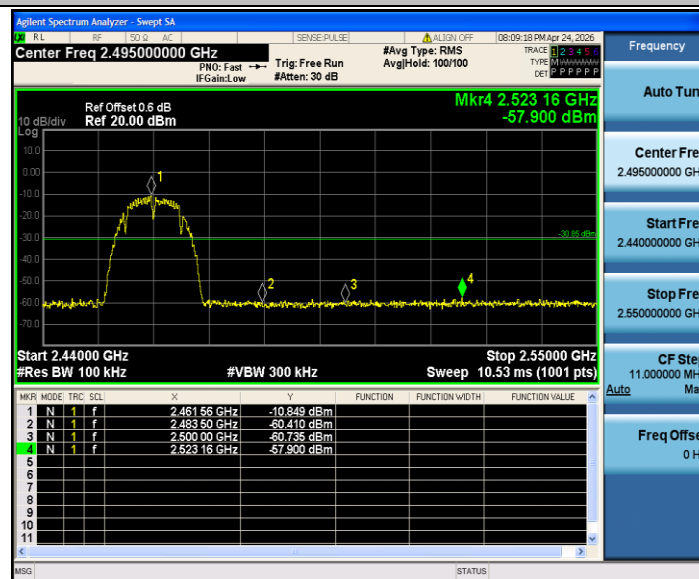
TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-10.79	-57.97	≤-30.79	PASS
		High	2462	-10.85	-57.9	≤-30.85	PASS
11G	Ant1	Low	2412	-14.74	-47.19	≤-34.74	PASS
		High	2462	-14.70	-58.02	≤-34.7	PASS
11N20SISO	Ant1	Low	2412	-14.67	-45.12	≤-34.67	PASS
		High	2462	-14.70	-58.09	≤-34.7	PASS
11N40SISO	Ant1	Low	2422	-18.54	-46.41	≤-38.54	PASS
		High	2452	-18.60	-58.32	≤-38.6	PASS

Test Graphs

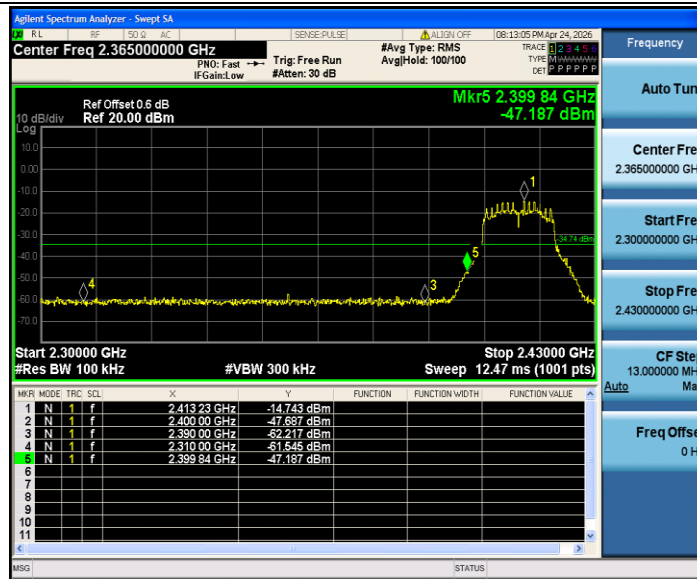
11B_Ant1_Low_2412



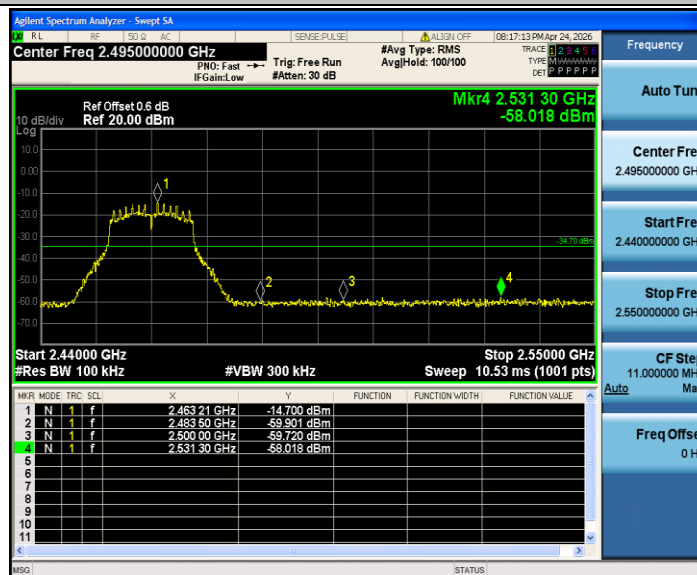
11B_Ant1_High_2462



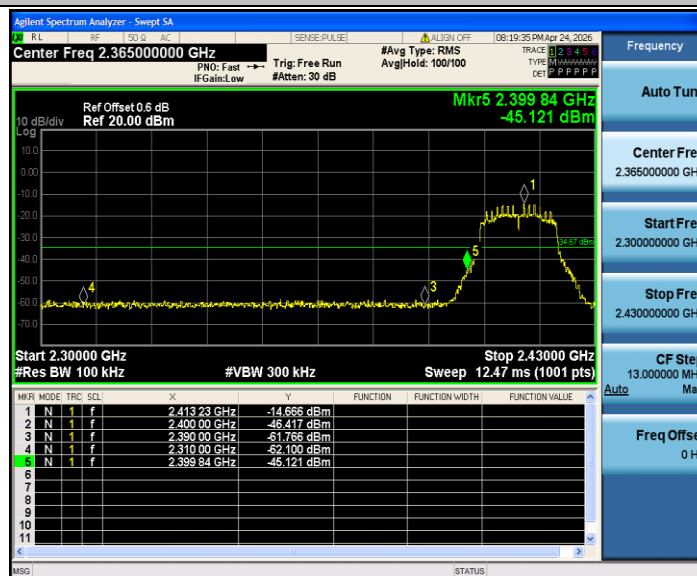
11G_Ant1_Low_2412



11G_Ant1_High_2462



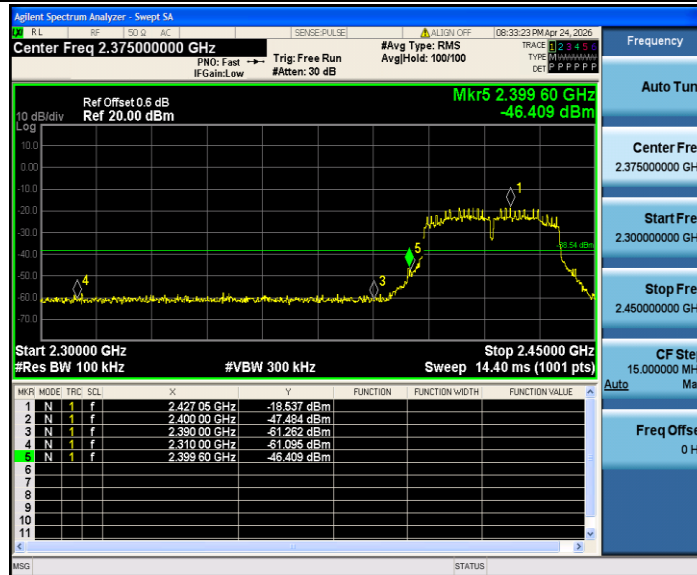
11N20SISO_Ant1_Low_2412



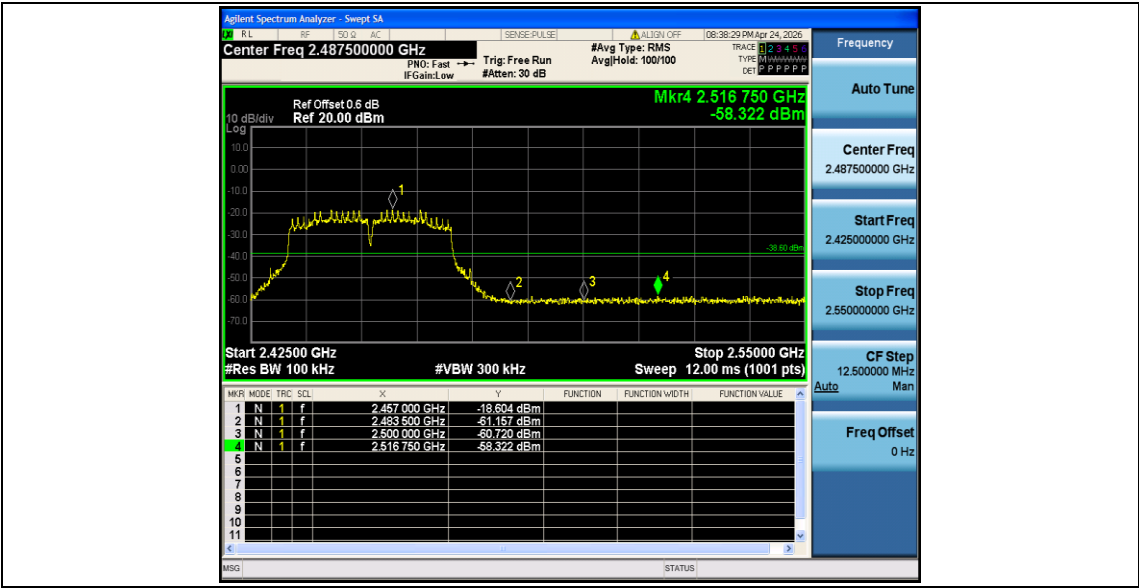
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



Appendix F: Conducted Spurious Emission

Test Result

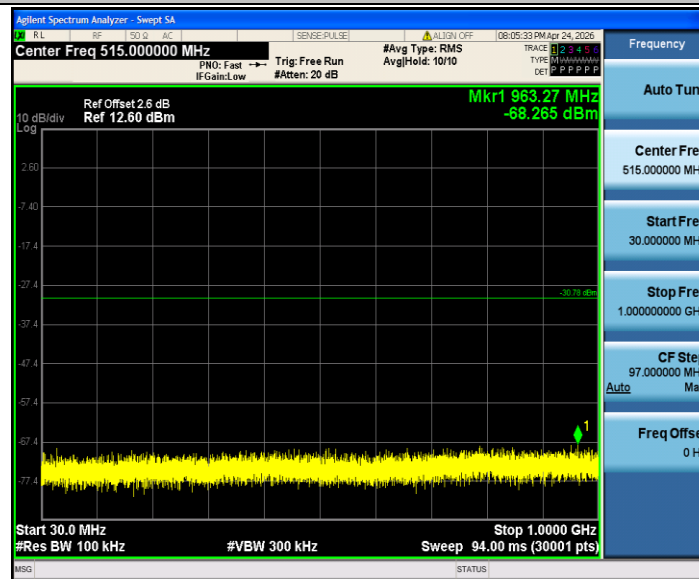
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-10.78	-10.78	---	PASS
			30~1000	-10.78	-68.27	≤-30.78	PASS
			1000~26500	-10.78	-55.06	≤-30.78	PASS
		2437	Reference	-11.84	-11.84	---	PASS
			30~1000	-11.84	-68.05	≤-31.84	PASS
			1000~26500	-11.84	-55.55	≤-31.84	PASS
		2462	Reference	-12.32	-12.32	---	PASS
			30~1000	-12.32	-67.77	≤-32.32	PASS
			1000~26500	-12.32	-55.47	≤-32.32	PASS
11G	Ant1	2412	Reference	-15.00	-15.00	---	PASS
			30~1000	-15.00	-67.51	≤-35	PASS
			1000~26500	-15.00	-55.46	≤-35	PASS
		2437	Reference	-14.90	-14.90	---	PASS
			30~1000	-14.90	-68.4	≤-34.9	PASS
			1000~26500	-14.90	-54.32	≤-34.9	PASS
		2462	Reference	-16.24	-16.24	---	PASS
			30~1000	-16.24	-67.32	≤-36.24	PASS
			1000~26500	-16.24	-55	≤-36.24	PASS
11N20SISO	Ant1	2412	Reference	-15.43	-15.43	---	PASS
			30~1000	-15.43	-67.39	≤-35.43	PASS
			1000~26500	-15.43	-55.27	≤-35.43	PASS
		2437	Reference	-15.30	-15.30	---	PASS
			30~1000	-15.30	-66.98	≤-35.3	PASS
			1000~26500	-15.30	-55.51	≤-35.3	PASS
		2462	Reference	-15.51	-15.51	---	PASS
			30~1000	-15.51	-66.94	≤-35.51	PASS
			1000~26500	-15.51	-54.97	≤-35.51	PASS
11N40SISO	Ant1	2422	Reference	-19.18	-19.18	---	PASS
			30~1000	-19.18	-68.23	≤-39.18	PASS
			1000~26500	-19.18	-55.67	≤-39.18	PASS
		2437	Reference	-18.66	-18.66	---	PASS
			30~1000	-18.66	-68.21	≤-38.66	PASS
			1000~26500	-18.66	-55.27	≤-38.66	PASS
		2452	Reference	-19.03	-19.03	---	PASS
			30~1000	-19.03	-67.66	≤-39.03	PASS
			1000~26500	-19.03	-53.96	≤-39.03	PASS

Test Graphs

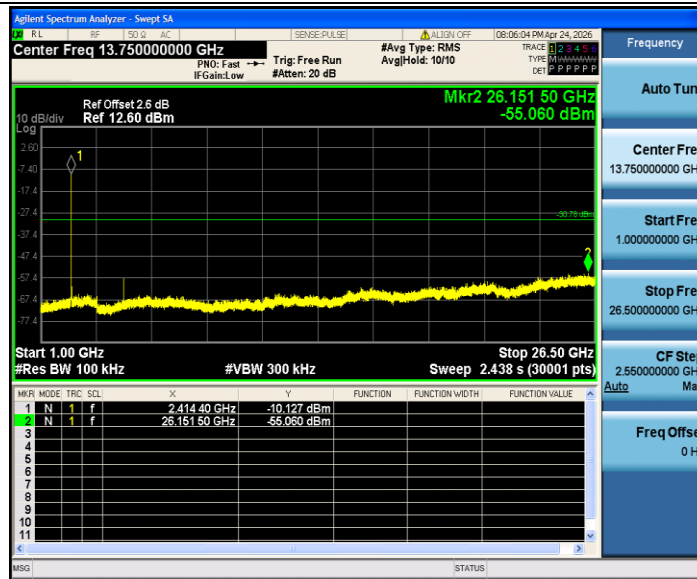
11B_Ant1_2412_0~Reference



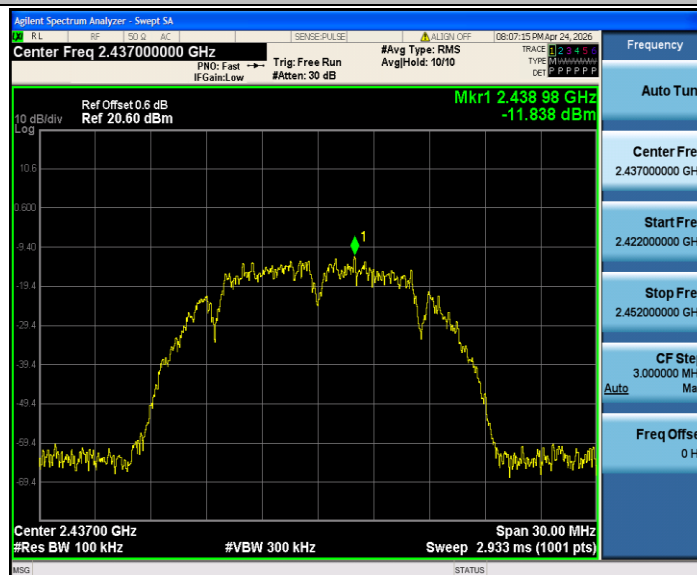
11B_Ant1_2412_30~1000



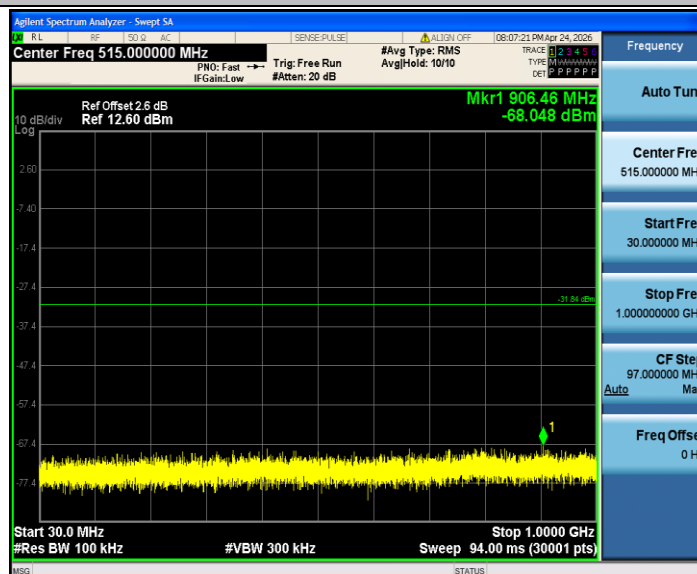
11B_Ant1_2412_1000~26500



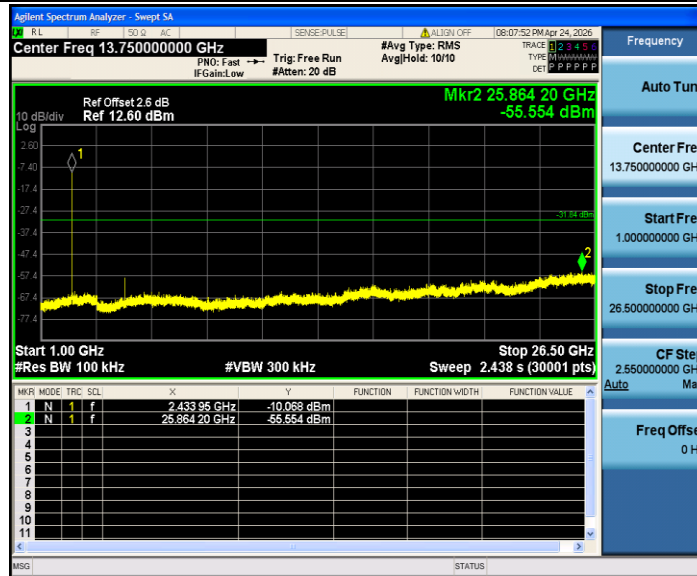
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



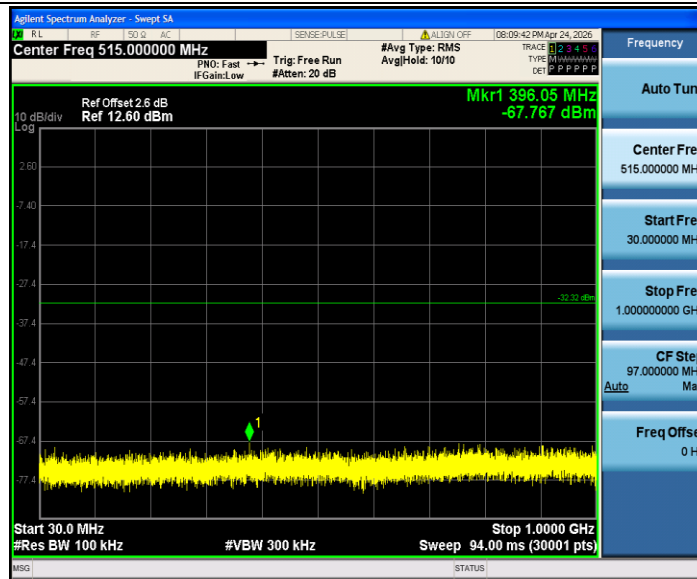
11B_Ant1_2437_1000~26500



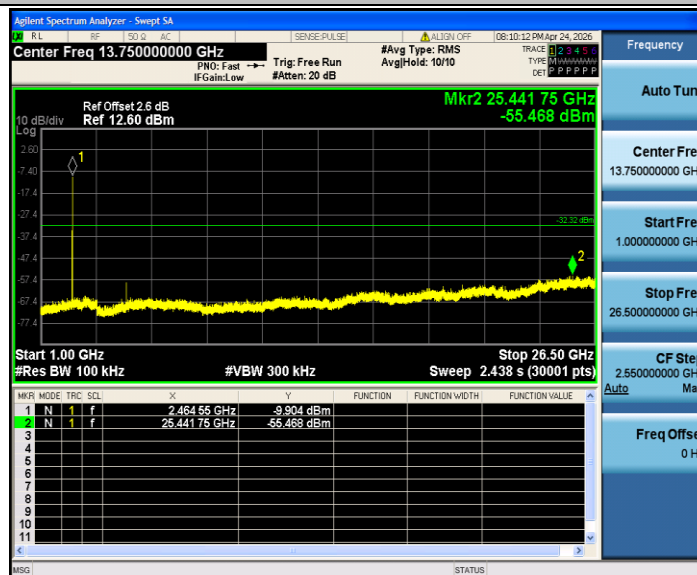
11B_Ant1_2462_0~Reference



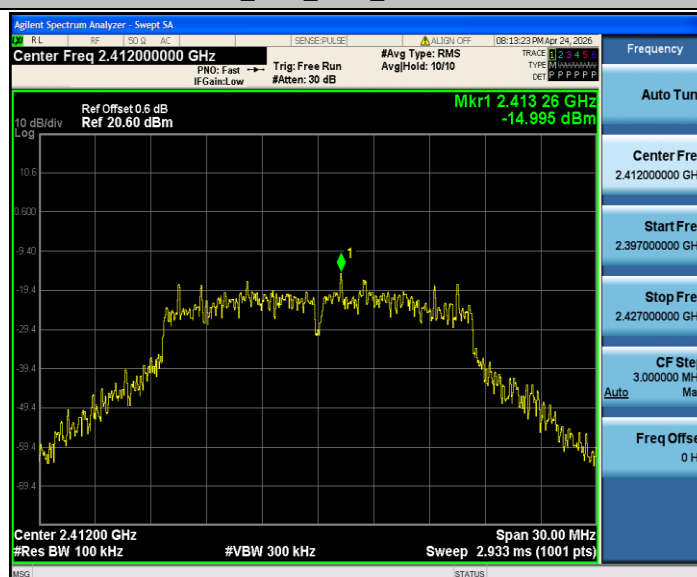
11B_Ant1_2462_30~1000



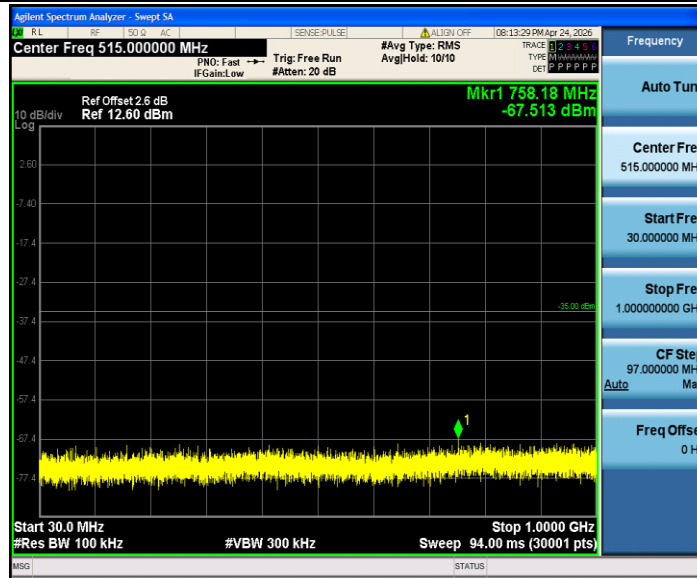
11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



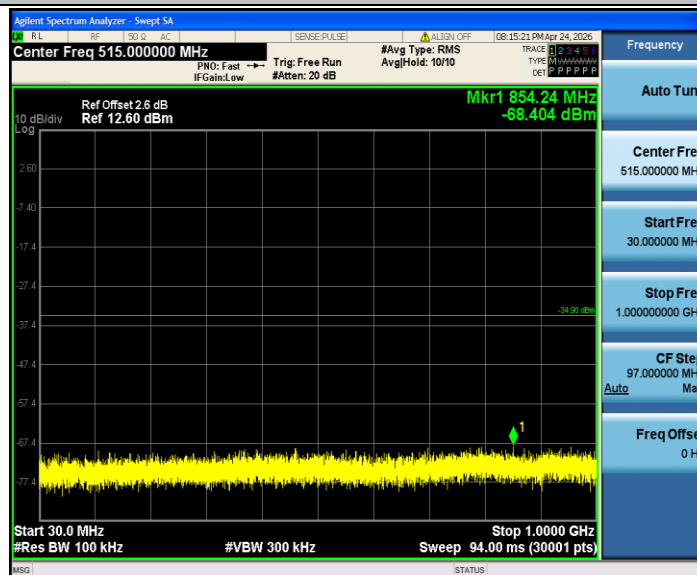
11G_Ant1_2412_1000~26500



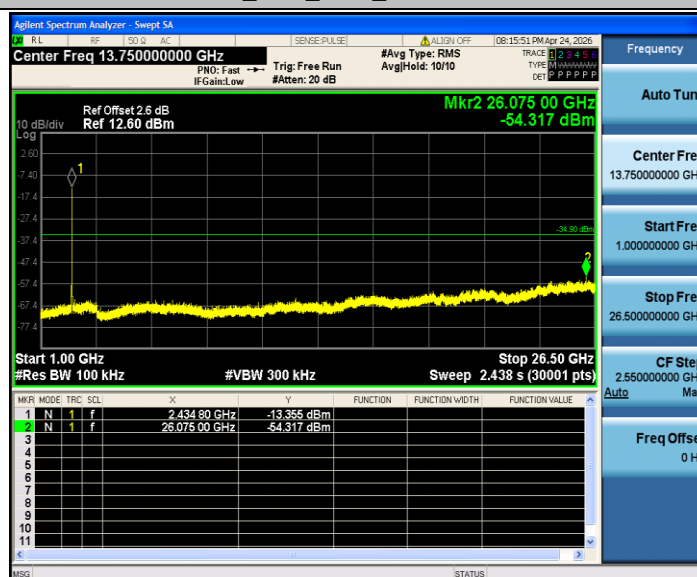
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



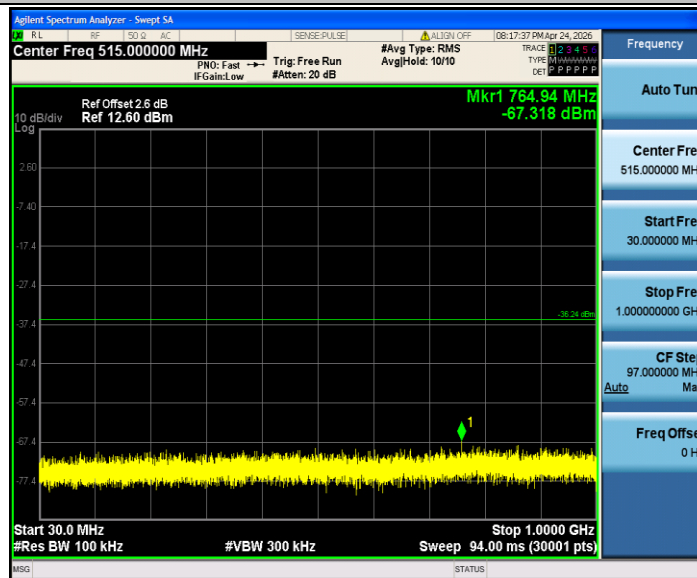
11G_Ant1_2437_1000~26500



11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



11G_Ant1_2462_1000~26500