

FCC Appendix RF Test Data for 2.4GWIFI

FCC ID : 2BFXT-A-NTC

Company : Advance Paris

EUT : AUDIO NETWORK STREAMER

Model Number : ADVANCE PARIS A-NTC

Report No. : CTA26011500901

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	15.840	2404.040	2419.880	0.5	PASS
		2437	15.560	2429.080	2444.640	0.5	PASS
		2462	15.480	2454.320	2469.800	0.5	PASS
11N20SISO	Ant1	2412	17.000	2403.480	2420.480	0.5	PASS
		2437	17.120	2428.520	2445.640	0.5	PASS
		2462	16.360	2453.680	2470.040	0.5	PASS
11N40SISO	Ant1	2422	34.960	2405.040	2440.000	0.5	PASS
		2437	35.360	2419.400	2454.760	0.5	PASS
		2452	35.440	2434.560	2470.000	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



Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.409	2405.3284	2418.7374	---	---
		2437	13.414	2430.3134	2443.7274	---	---
		2462	13.428	2455.2950	2468.7230	---	---
11G	Ant1	2412	16.752	2403.7005	2420.4525	---	---
		2437	16.884	2428.6028	2445.4868	---	---
		2462	16.781	2453.6339	2470.4149	---	---
11N20SISO	Ant1	2412	17.844	2403.1071	2420.9511	---	---
		2437	17.884	2428.0708	2445.9548	---	---
		2462	17.893	2453.0515	2470.9445	---	---
11N40SISO	Ant1	2422	36.039	2404.0720	2440.1110	---	---
		2437	36.039	2419.0526	2455.0916	---	---
		2452	36.072	2434.0670	2470.1390	---	---

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 Peak

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	15.01	≤30.00	PASS
		2437	15.18	≤30.00	PASS
		2462	15.28	≤30.00	PASS
11G	Ant1	2412	14.18	≤30.00	PASS
		2437	14.34	≤30.00	PASS
		2462	14.50	≤30.00	PASS
11N20SISO	Ant1	2412	14.06	≤30.00	PASS
		2437	14.33	≤30.00	PASS
		2462	14.44	≤30.00	PASS
11N40SISO	Ant1	2422	14.51	≤30.00	PASS
		2437	14.87	≤30.00	PASS
		2452	14.88	≤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	-11.26	≤8.00	PASS
		2437	-11.00	≤8.00	PASS
		2462	-10.07	≤8.00	PASS
11G	Ant1	2412	-17.31	≤8.00	PASS
		2437	-17.90	≤8.00	PASS
		2462	-17.78	≤8.00	PASS
11N20SISO	Ant1	2412	-17.37	≤8.00	PASS
		2437	-17.10	≤8.00	PASS
		2462	-17.30	≤8.00	PASS
11N40SISO	Ant1	2422	-19.85	≤8.00	PASS
		2437	-19.70	≤8.00	PASS
		2452	-19.55	≤8.00	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



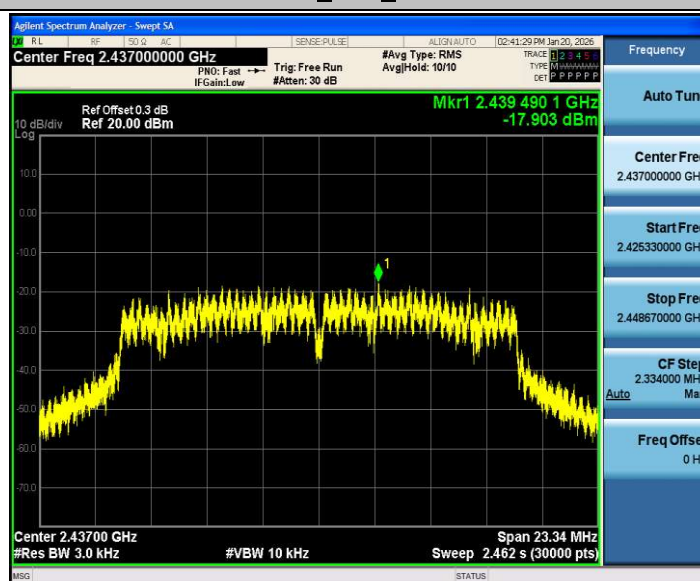
11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



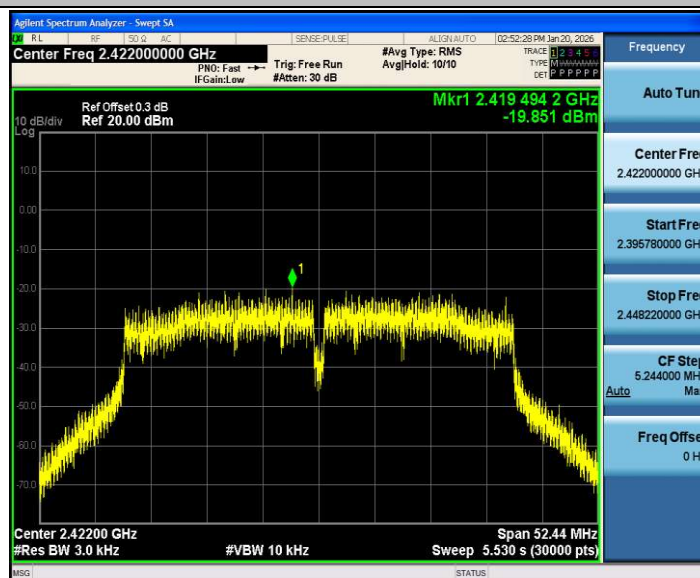
11N20SISO_Ant1_2437



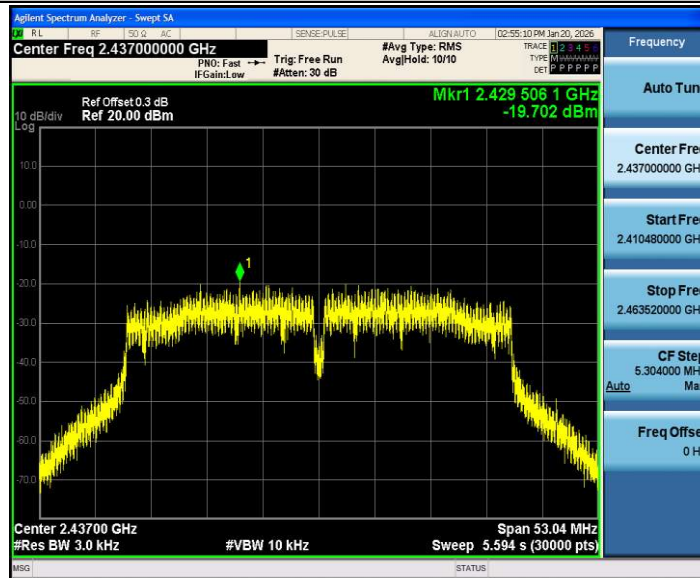
11N20SISO_Ant1_2462



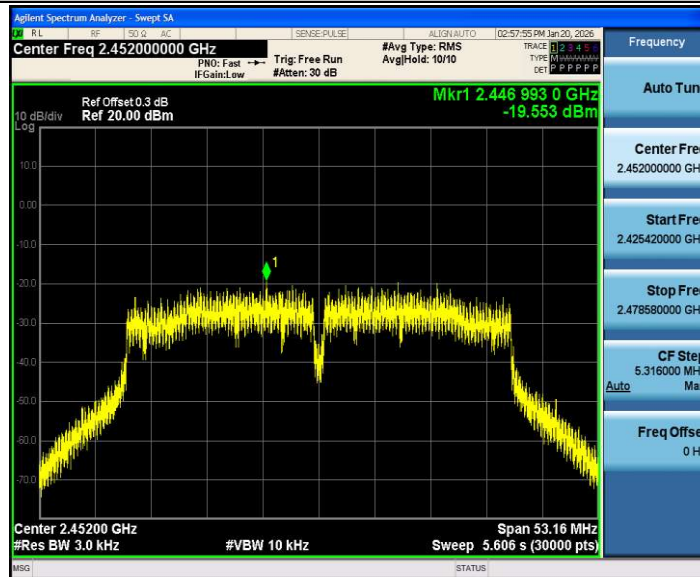
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452

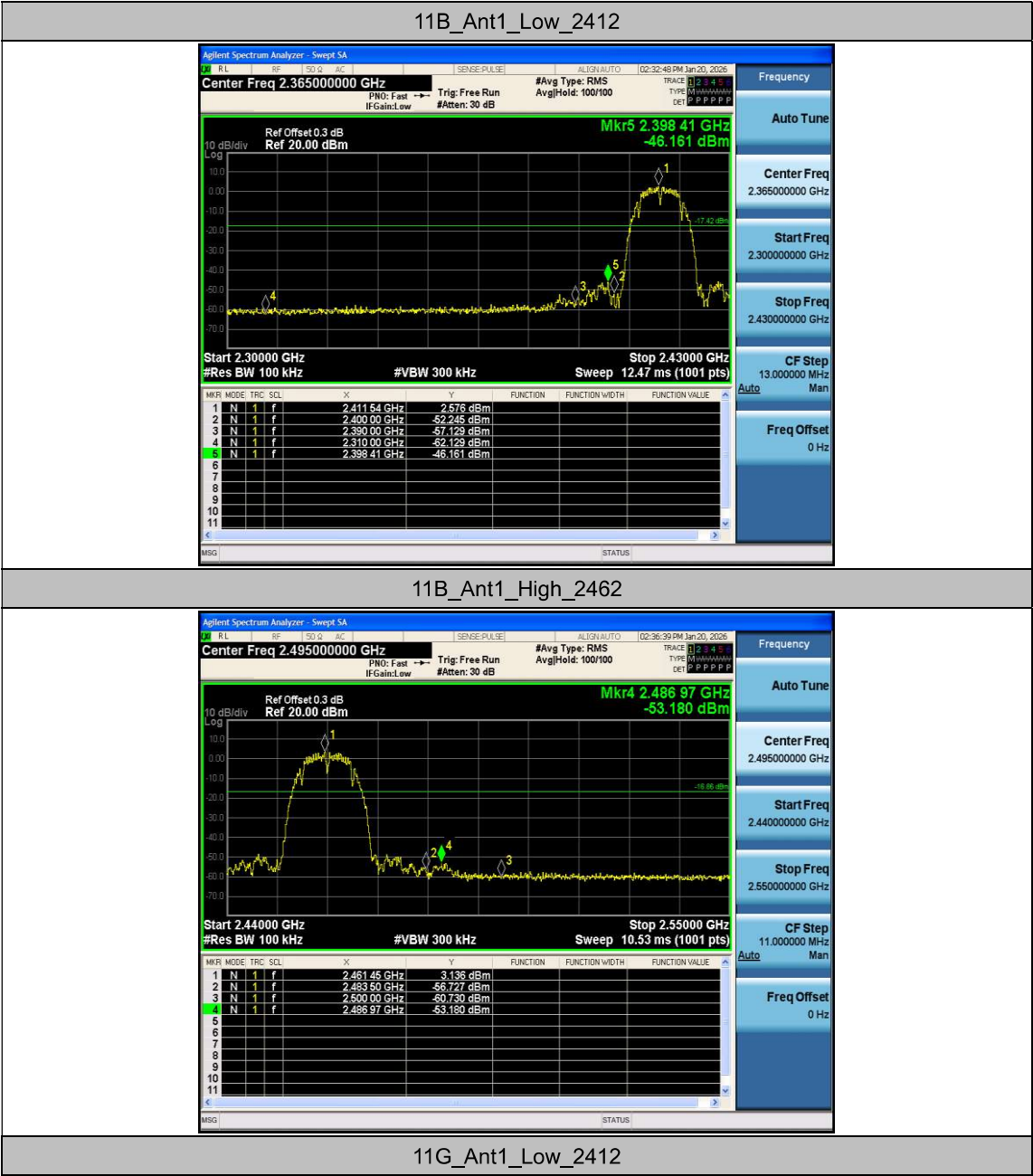


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.58	-46.16	≤-17.42	PASS
		High	2462	3.14	-53.18	≤-16.86	PASS
11G	Ant1	Low	2412	-2.28	-35.23	≤-22.28	PASS
		High	2462	-2.28	-58	≤-22.28	PASS
11N20SISO	Ant1	Low	2412	-2.26	-34.55	≤-22.26	PASS
		High	2462	-1.83	-56.77	≤-21.83	PASS
11N40SISO	Ant1	Low	2422	-5.45	-33.53	≤-25.45	PASS
		High	2452	-5.13	-56.97	≤-25.13	PASS

Test Graphs

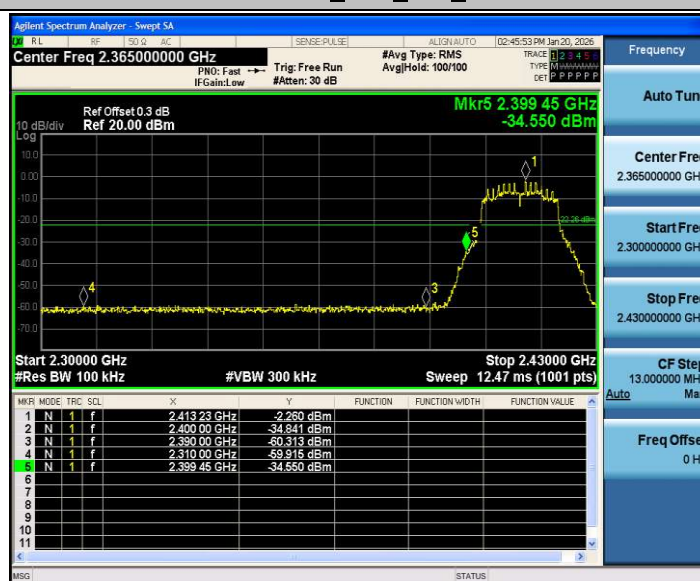




11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



Appendix F: Conducted Spurious Emission

Test Result

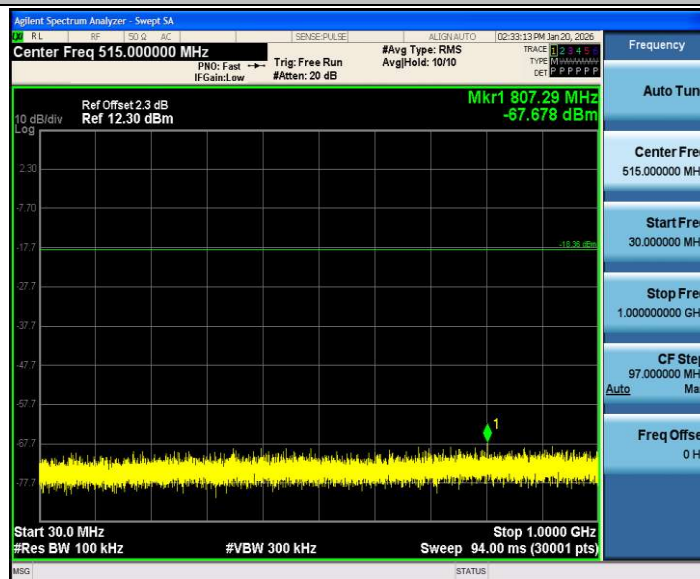
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	1.64	1.64	---	PASS
			30~1000	1.64	-67.68	≤-18.36	PASS
			1000~26500	1.64	-53.57	≤-18.36	PASS
		2437	Reference	2.47	2.47	---	PASS
			30~1000	2.47	-67.99	≤-17.53	PASS
			1000~26500	2.47	-52.93	≤-17.53	PASS
		2462	Reference	2.78	2.78	---	PASS
			30~1000	2.78	-68.35	≤-17.22	PASS
			1000~26500	2.78	-52.97	≤-17.22	PASS
11G	Ant1	2412	Reference	-3.11	-3.11	---	PASS
			30~1000	-3.11	-68.36	≤-23.11	PASS
			1000~26500	-3.11	-54.97	≤-23.11	PASS
		2437	Reference	-2.49	-2.49	---	PASS
			30~1000	-2.49	-67.87	≤-22.49	PASS
			1000~26500	-2.49	-55	≤-22.49	PASS
		2462	Reference	-1.99	-1.99	---	PASS
			30~1000	-1.99	-68.1	≤-21.99	PASS
			1000~26500	-1.99	-54.97	≤-21.99	PASS
11N20SISO	Ant1	2412	Reference	-2.19	-2.19	---	PASS
			30~1000	-2.19	-64.86	≤-22.19	PASS
			1000~26500	-2.19	-55.05	≤-22.19	PASS
		2437	Reference	-2.99	-2.99	---	PASS
			30~1000	-2.99	-68.78	≤-22.99	PASS
			1000~26500	-2.99	-54.71	≤-22.99	PASS
		2462	Reference	-2.34	-2.34	---	PASS
			30~1000	-2.34	-67.42	≤-22.34	PASS
			1000~26500	-2.34	-55.55	≤-22.34	PASS
11N40SISO	Ant1	2422	Reference	-5.56	-5.56	---	PASS
			30~1000	-5.56	-68	≤-25.56	PASS
			1000~26500	-5.56	-54.98	≤-25.56	PASS
		2437	Reference	-5.35	-5.35	---	PASS
			30~1000	-5.35	-67.07	≤-25.35	PASS
			1000~26500	-5.35	-55.11	≤-25.35	PASS
		2452	Reference	-5.09	-5.09	---	PASS
			30~1000	-5.09	-68.29	≤-25.09	PASS
			1000~26500	-5.09	-55.52	≤-25.09	PASS

Test Graphs

11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



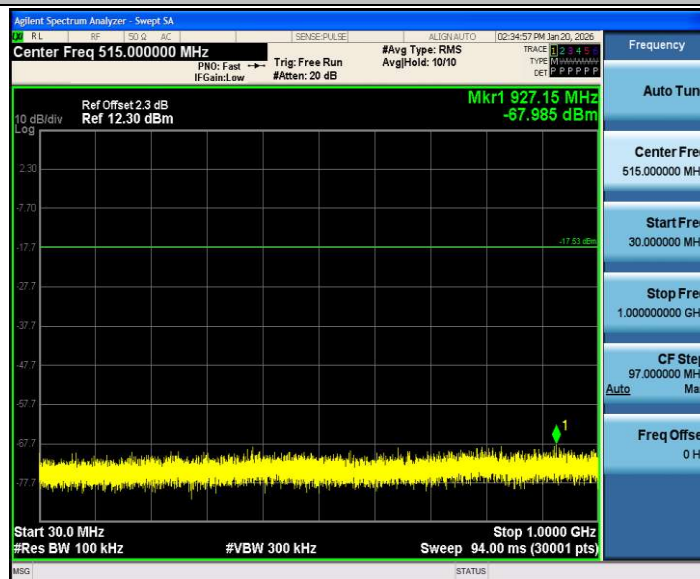
11B_Ant1_2412_1000~26500



11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



11B_Ant1_2437_1000~26500



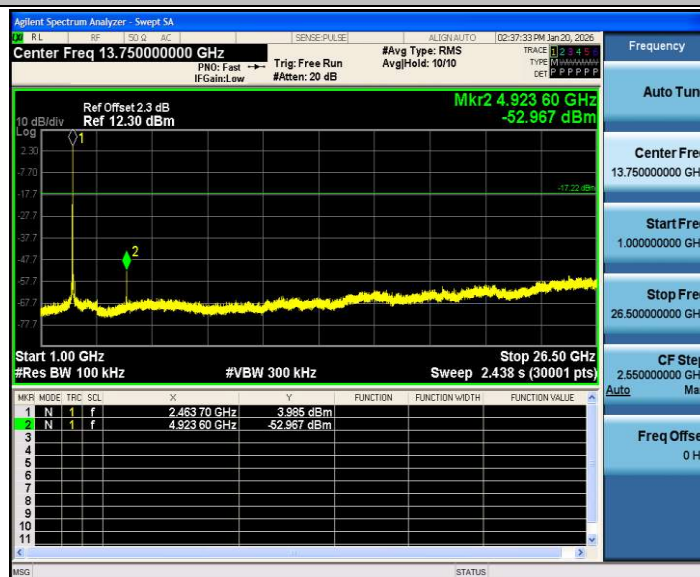
11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference

