

FCC Appendix RF Test Data for 2.4GWIFI

FCC ID : 2AJU8-RGROTATE

Company : Shenzhen Yangliming Electronic Technology Co., Ltd.

EUT : Handheld Game Console

Model Number : RG Rotate

Report No. : CTA26060901302

Reviewed By : Eric Wang

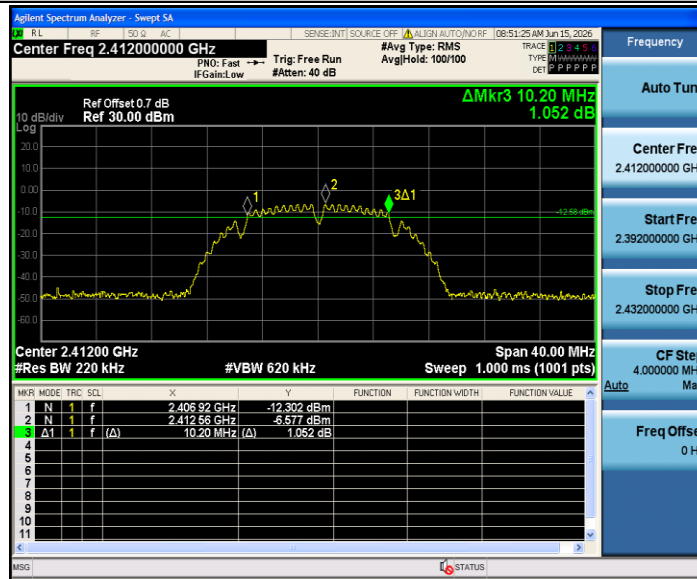
Appendix A: DTS Bandwidth

Test Result

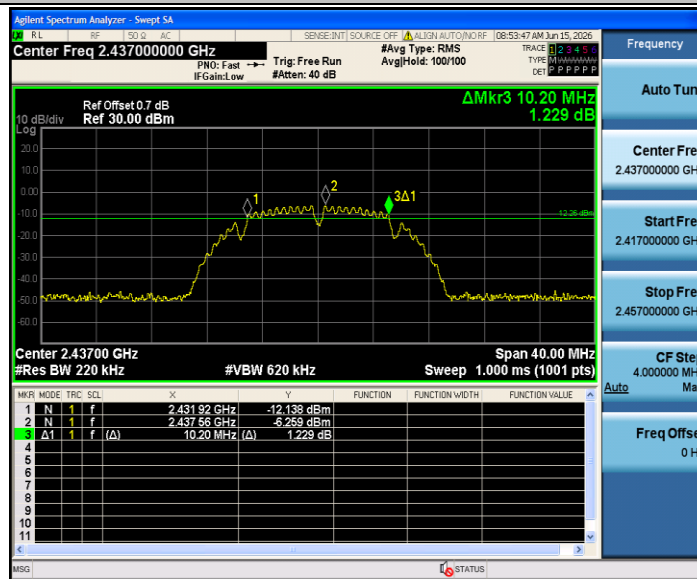
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.200	2406.920	2417.120	0.5	PASS
		2437	10.200	2431.920	2442.120	0.5	PASS
		2462	10.200	2456.920	2467.120	0.5	PASS
11G	Ant1	2412	15.800	2404.080	2419.880	0.5	PASS
		2437	15.920	2429.040	2444.960	0.5	PASS
		2462	15.920	2454.080	2470.000	0.5	PASS
11N20SISO	Ant1	2412	16.400	2403.560	2419.960	0.5	PASS
		2437	15.840	2428.960	2444.800	0.5	PASS
		2462	17.000	2453.440	2470.440	0.5	PASS
11N40SISO	Ant1	2422	35.440	2404.720	2440.160	0.5	PASS
		2437	35.120	2419.800	2454.920	0.5	PASS
		2452	35.280	2434.800	2470.080	0.5	PASS

Test Graphs

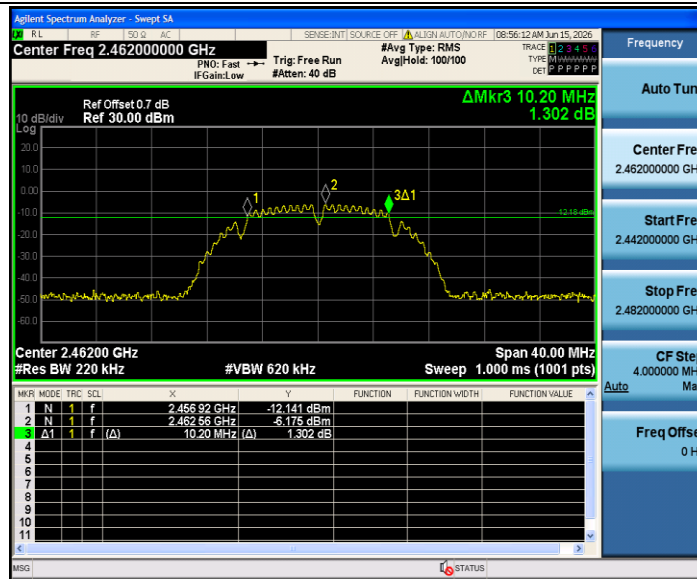
11B_Ant1_2412



11B_Ant1_2437



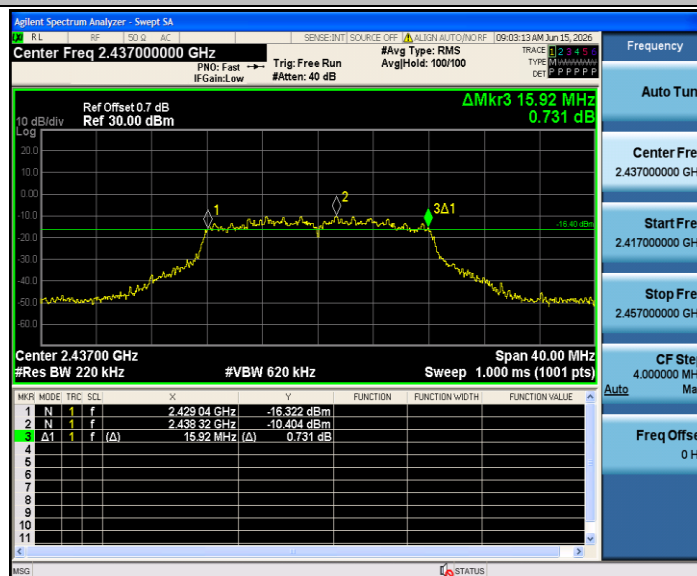
11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



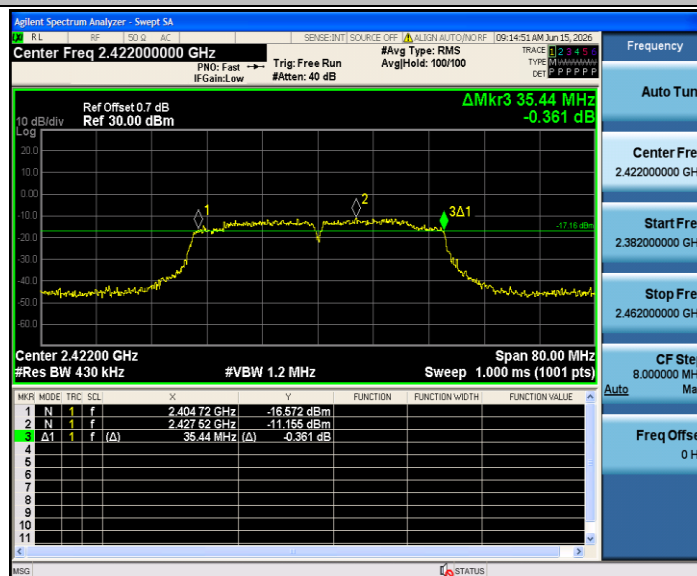
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



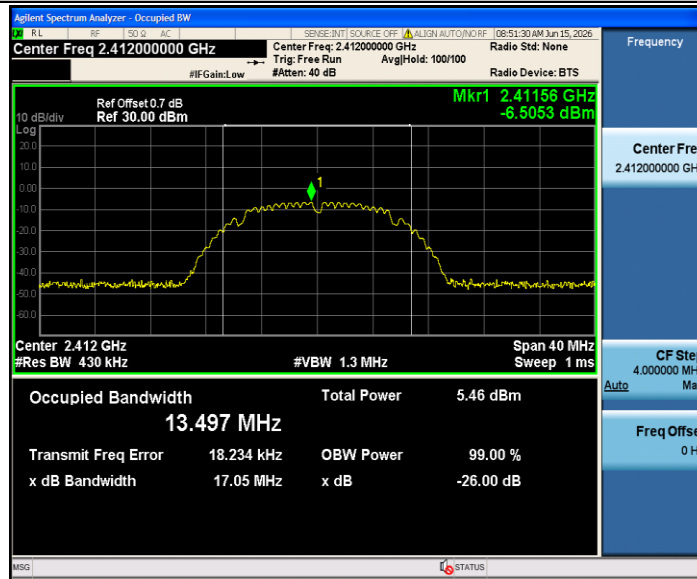
Appendix B: Occupied Channel Bandwidth

Test Result

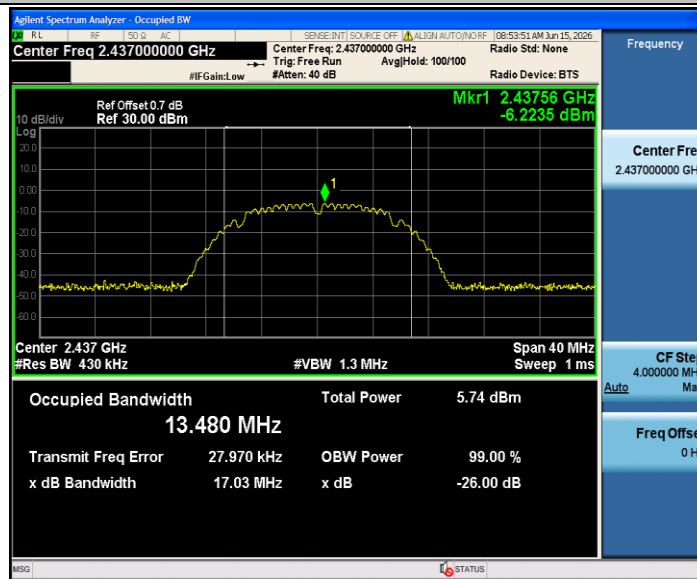
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.497	2405.2697	2418.7667	---	---
		2437	13.480	2430.2880	2443.7680	---	---
		2462	13.478	2455.2980	2468.7760	---	---
11G	Ant1	2412	16.871	2403.5967	2420.4677	---	---
		2437	16.902	2428.5900	2445.4920	---	---
		2462	16.833	2453.6570	2470.4900	---	---
11N20SISO	Ant1	2412	17.870	2403.0806	2420.9506	---	---
		2437	17.965	2428.0367	2446.0017	---	---
		2462	17.877	2453.0388	2470.9158	---	---
11N40SISO	Ant1	2422	36.144	2404.0880	2440.2320	---	---
		2437	36.116	2419.0983	2455.2143	---	---
		2452	36.086	2434.1021	2470.1881	---	---

Test Graphs

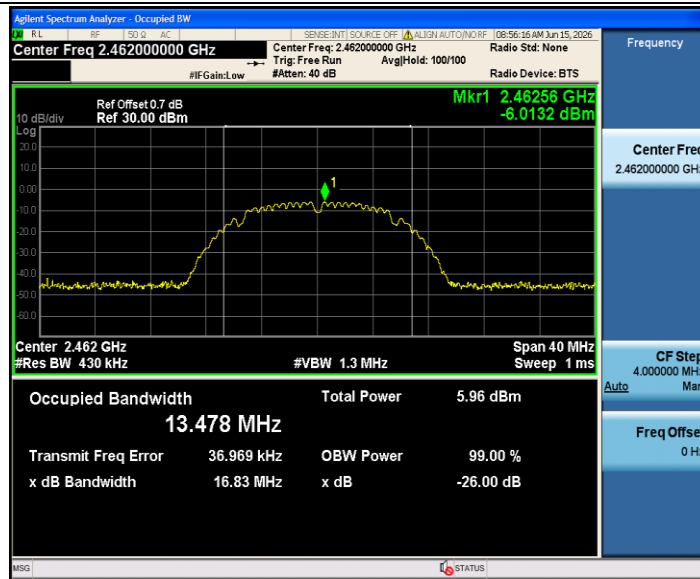
11B_Ant1_2412



11B_Ant1_2437



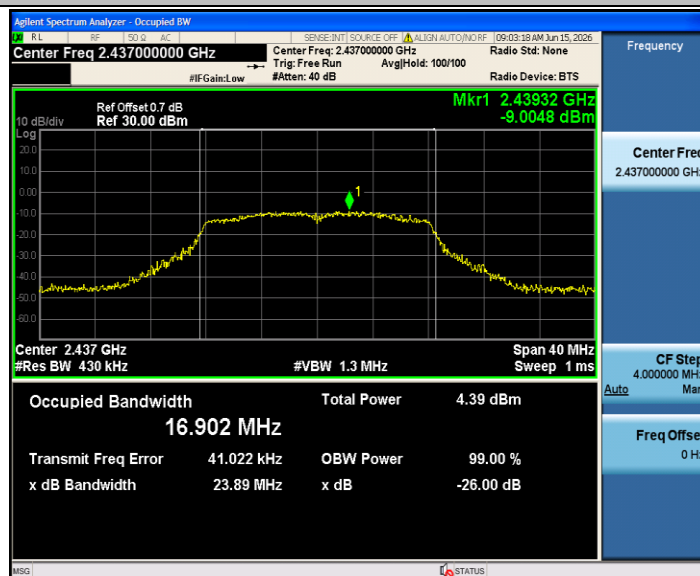
11B_Ant1_2462



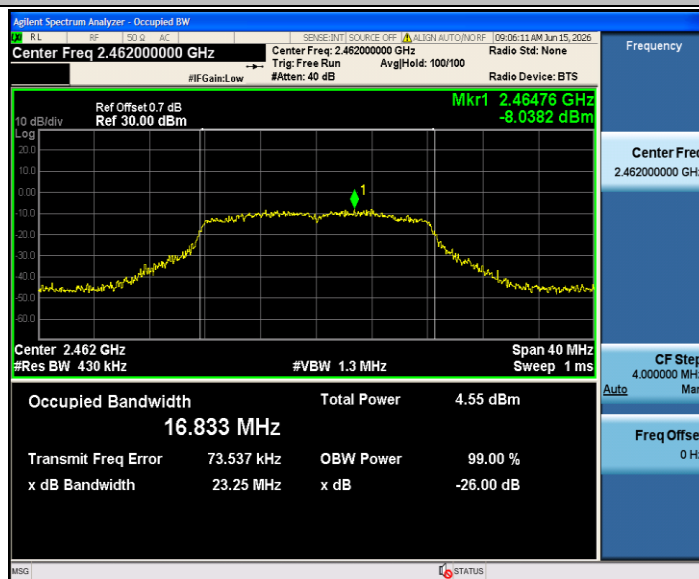
11G_Ant1_2412



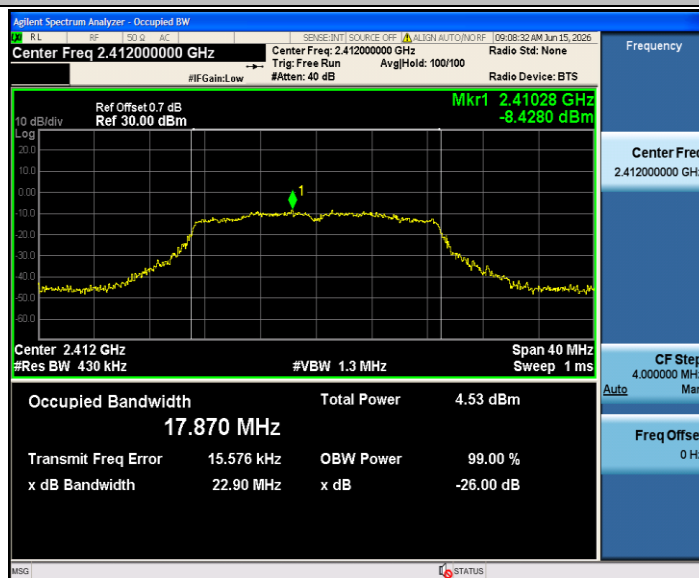
11G_Ant1_2437



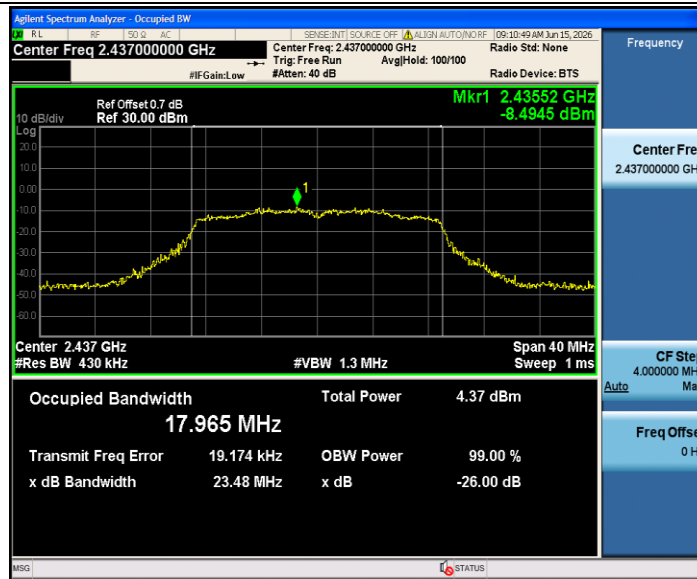
11G_Ant1_2462



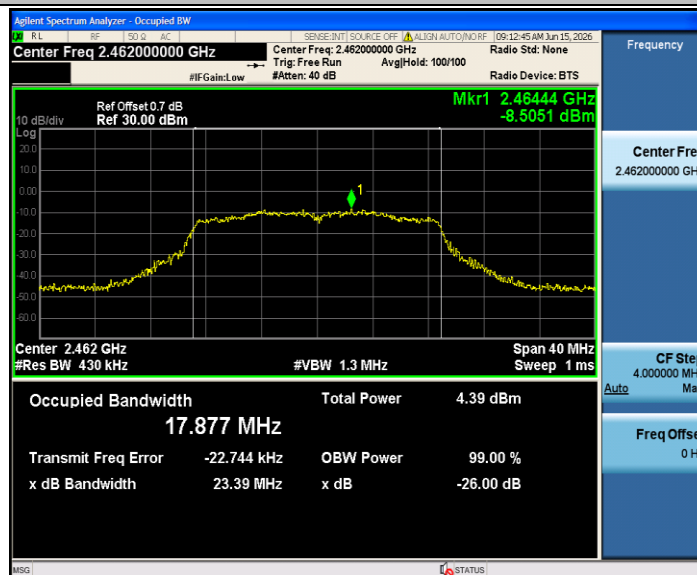
11N20SISO_Ant1_2412



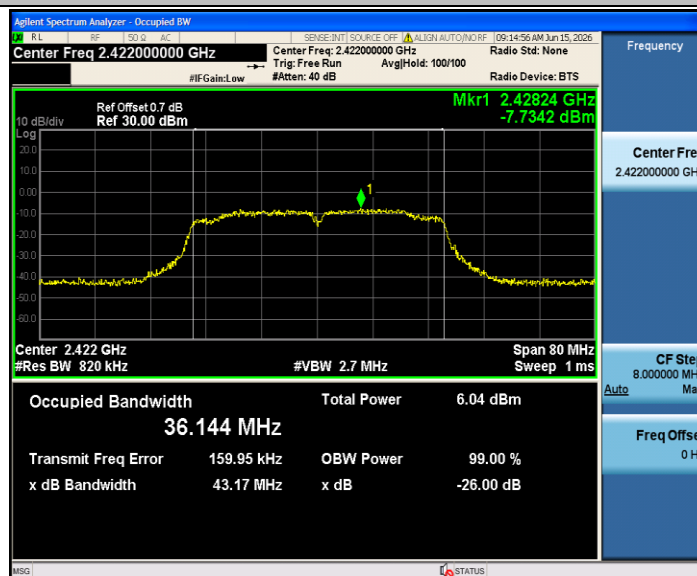
11N20SISO_Ant1_2437



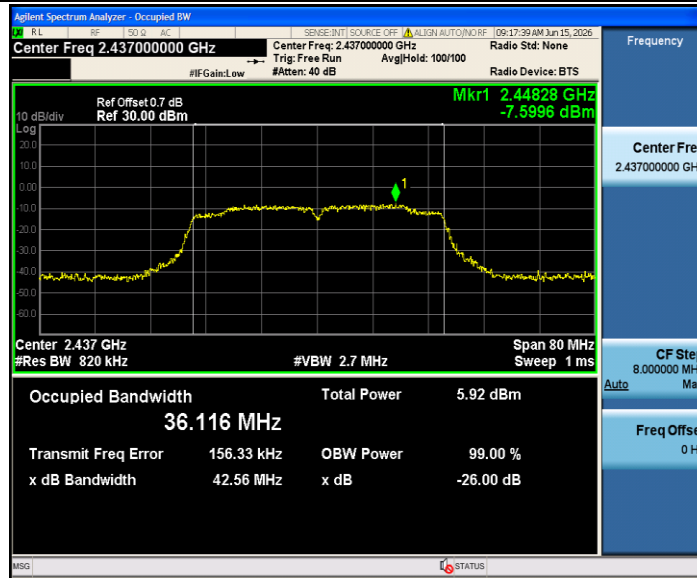
11N20SISO_Ant1_2462



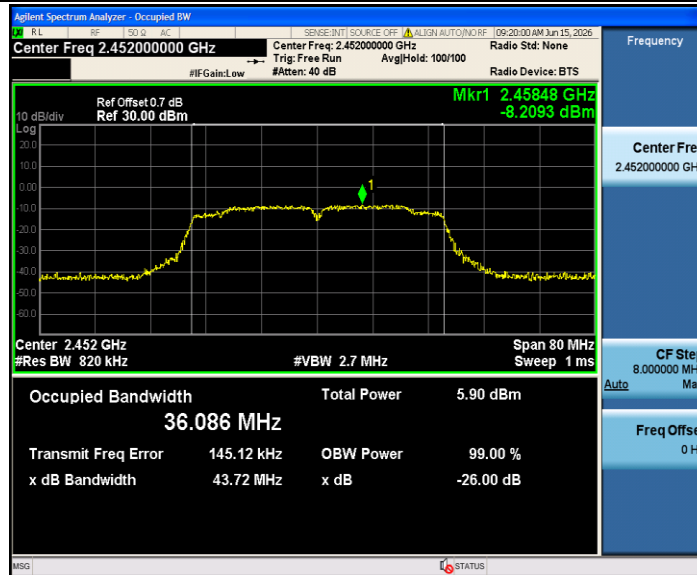
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Frequency[M Hz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	6.14	≤30.00	PASS
		2437	5.95	≤30.00	PASS
		2462	6.07	≤30.00	PASS
11G	Ant1	2412	5.55	≤30.00	PASS
		2437	5.36	≤30.00	PASS
		2462	5.47	≤30.00	PASS
11N20SISO	Ant1	2412	5.37	≤30.00	PASS
		2437	5.15	≤30.00	PASS
		2462	5.32	≤30.00	PASS
11N40SISO	Ant1	2422	5.16	≤30.00	PASS
		2437	5.42	≤30.00	PASS
		2452	5.66	≤30.00	PASS

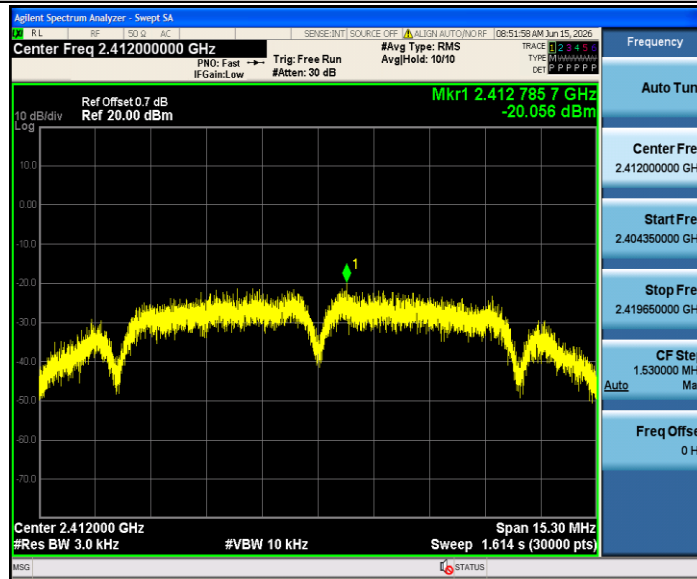
Appendix D: Maximum power spectral density

Test Result

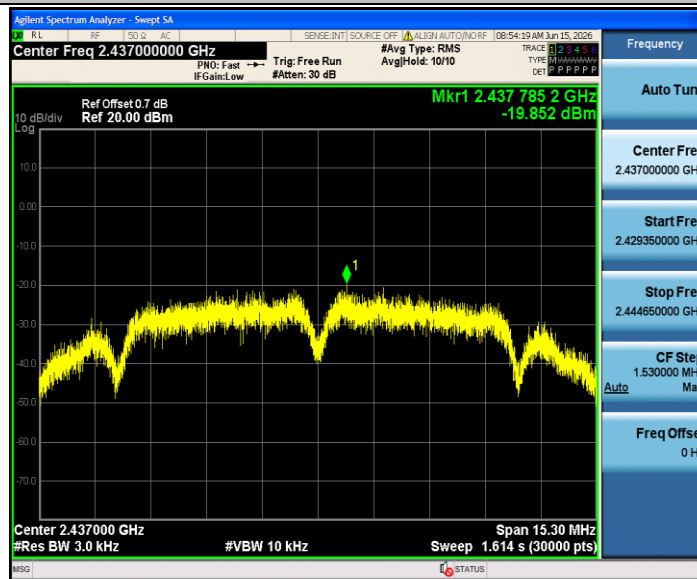
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-20.06	≤8.00	PASS
		2437	-19.85	≤8.00	PASS
		2462	-21.06	≤8.00	PASS
11G	Ant1	2412	-26.72	≤8.00	PASS
		2437	-26.87	≤8.00	PASS
		2462	-26.40	≤8.00	PASS
11N20SISO	Ant1	2412	-26.30	≤8.00	PASS
		2437	-26.37	≤8.00	PASS
		2462	-25.58	≤8.00	PASS
11N40SISO	Ant1	2422	-27.80	≤8.00	PASS
		2437	-28.13	≤8.00	PASS
		2452	-28.99	≤8.00	PASS

Test Graphs

11B_Ant1_2412



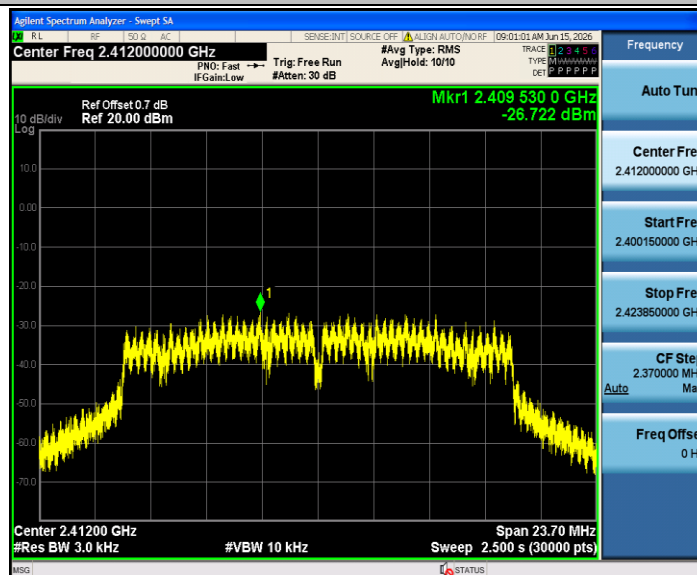
11B_Ant1_2437



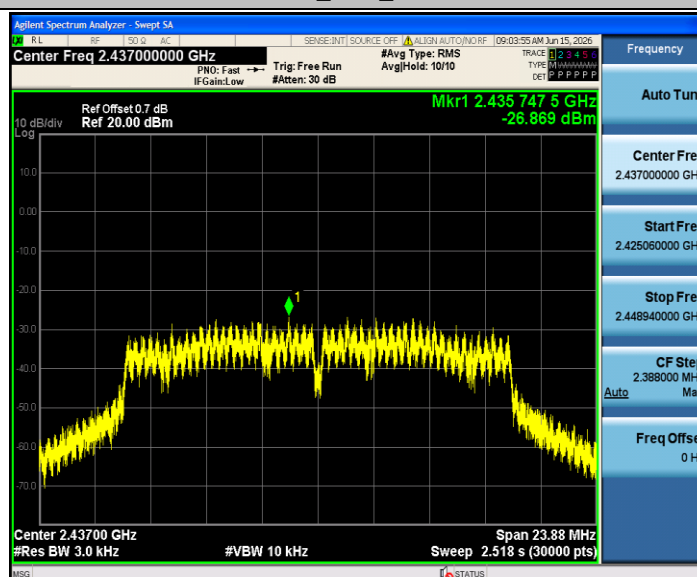
11B_Ant1_2462



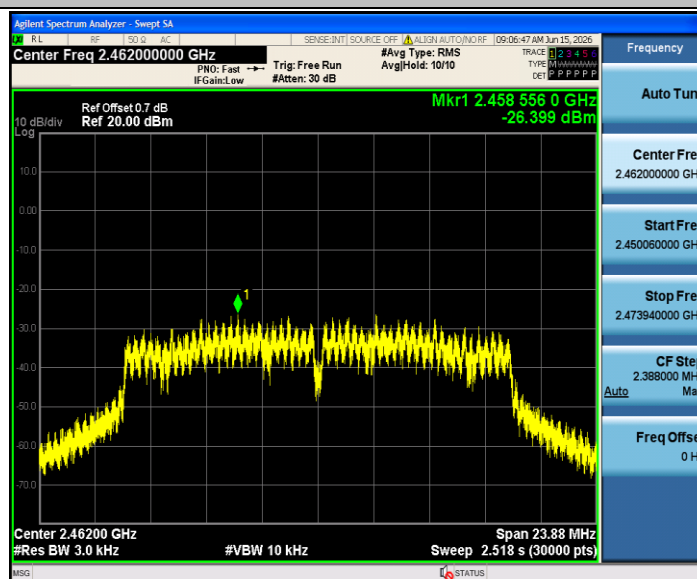
11G_Ant1_2412



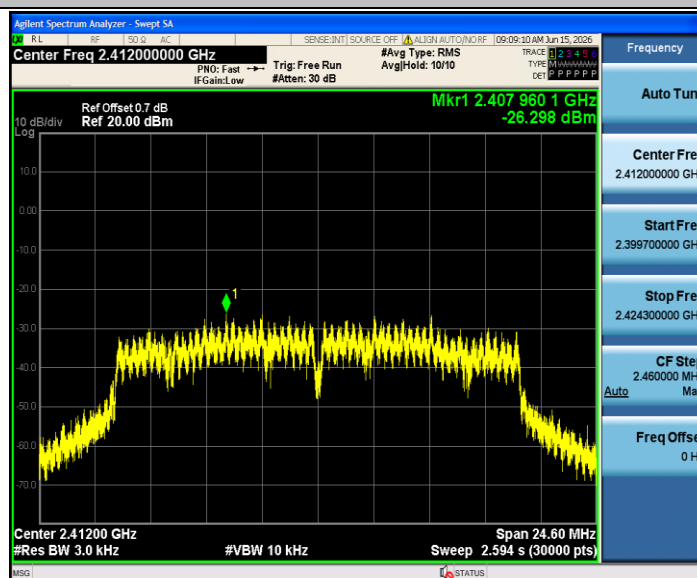
11G_Ant1_2437



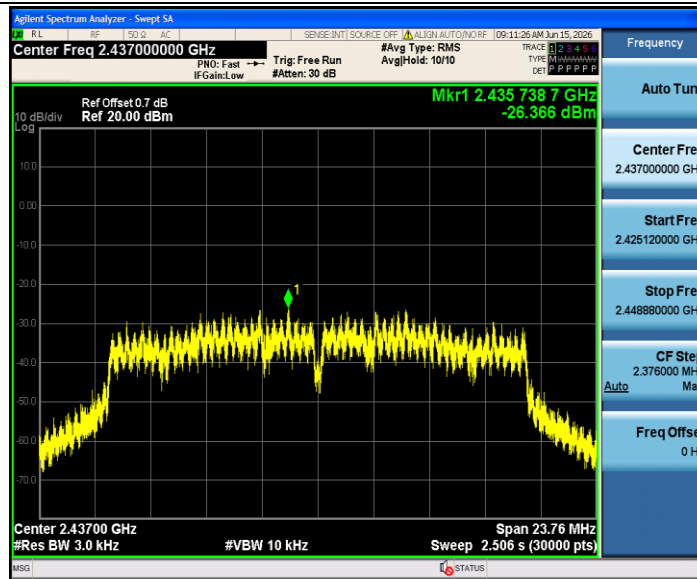
11G_Ant1_2462



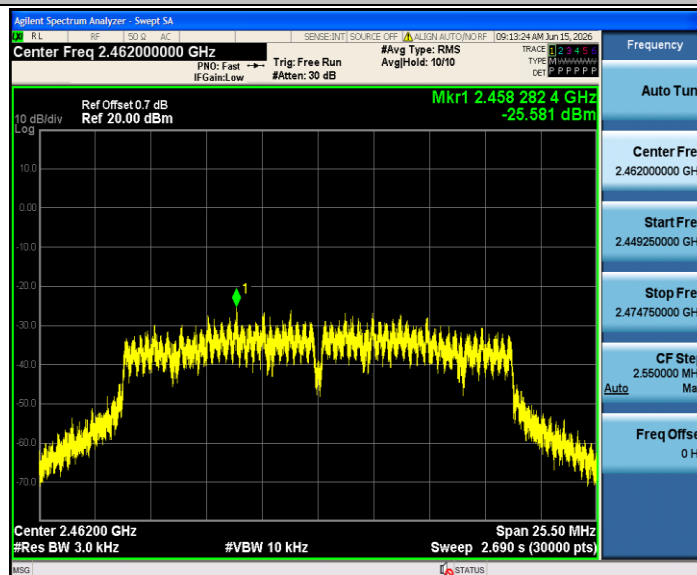
11N20SISO_Ant1_2412



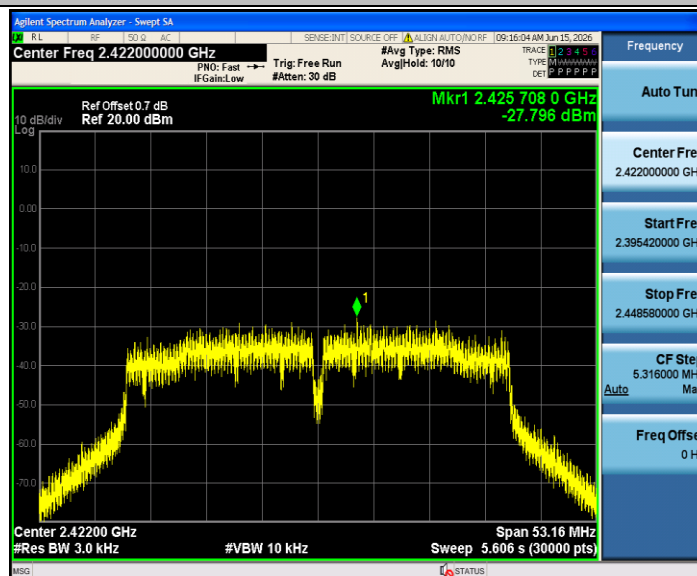
11N20SISO_Ant1_2437



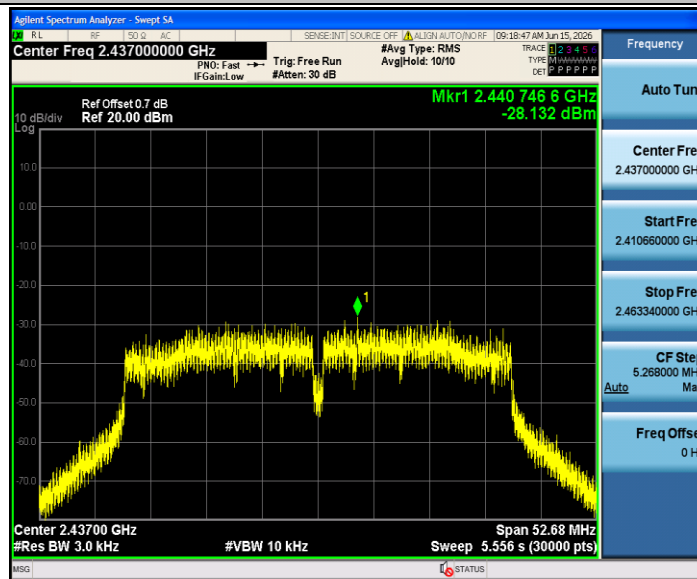
11N20SISO_Ant1_2462



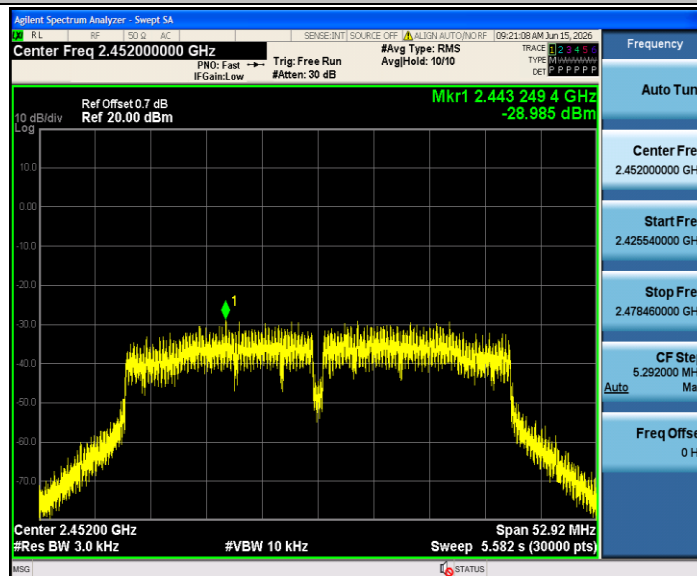
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



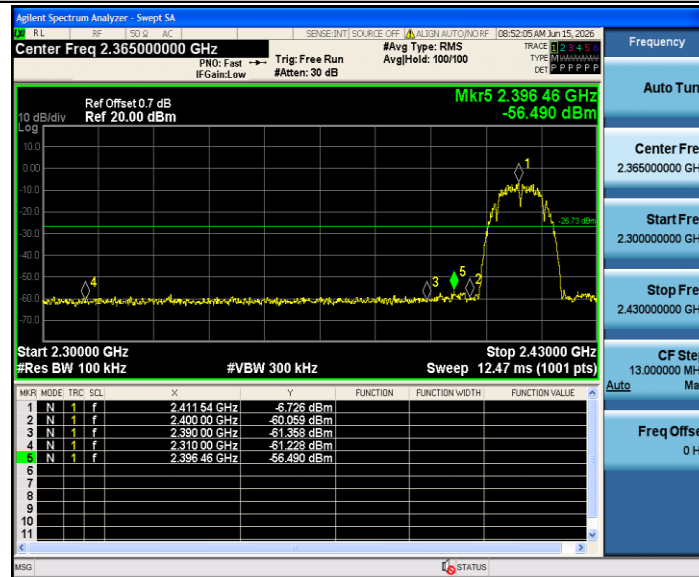
Appendix E: Band edge measurements

Test Result

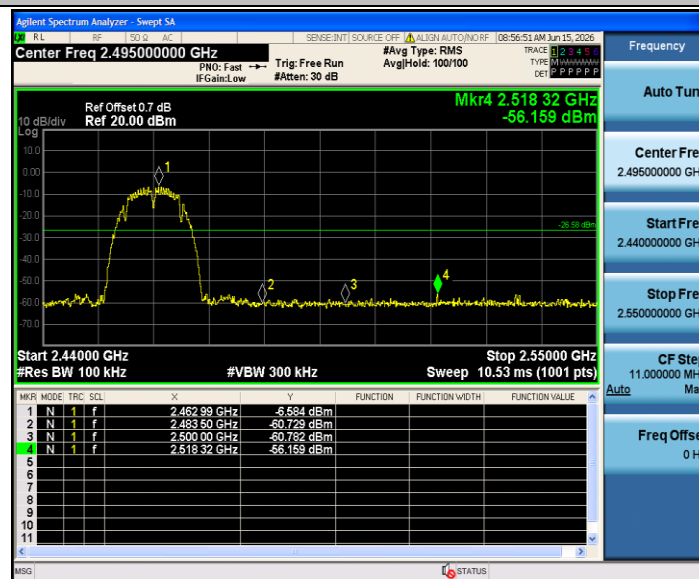
TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-6.73	-56.49	≤-26.73	PASS
		High	2462	-6.58	-56.16	≤-26.58	PASS
11G	Ant1	Low	2412	-10.85	-43.44	≤-30.85	PASS
		High	2462	-10.99	-57	≤-30.99	PASS
11N20SISO	Ant1	Low	2412	-11.29	-42.65	≤-31.29	PASS
		High	2462	-11.03	-57.49	≤-31.03	PASS
11N40SISO	Ant1	Low	2422	-13.66	-41.83	≤-33.66	PASS
		High	2452	-13.77	-57.71	≤-33.77	PASS

Test Graphs

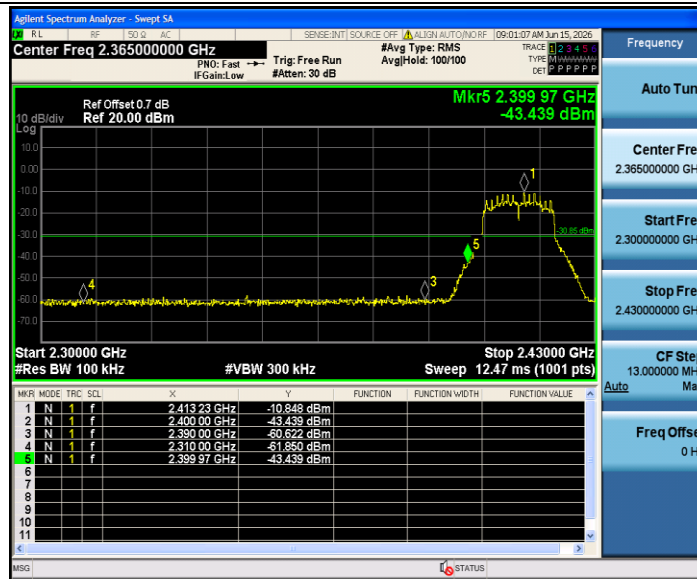
11B_Ant1_Low_2412



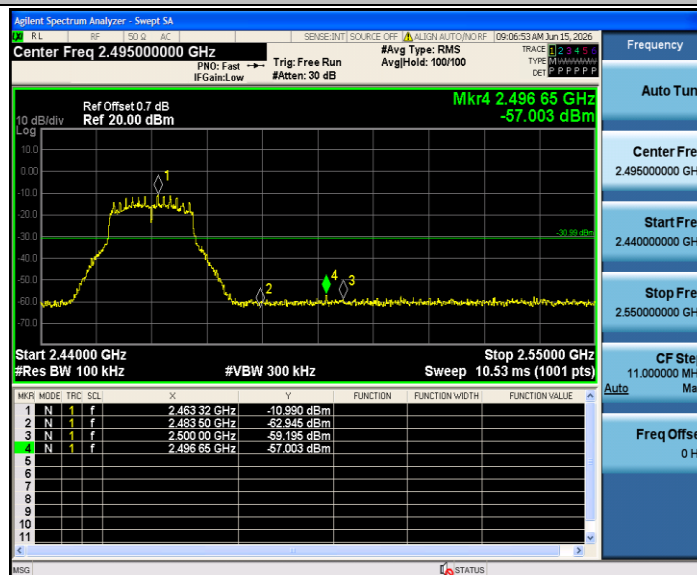
11B_Ant1_High_2462



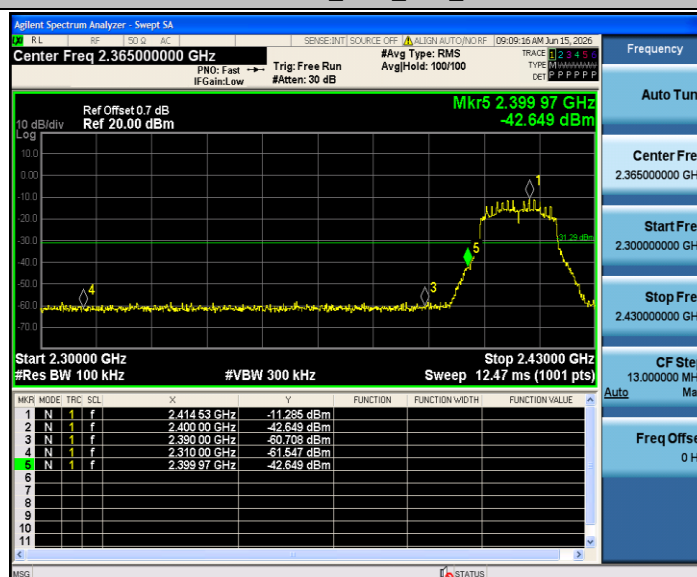
11G_Ant1_Low_2412



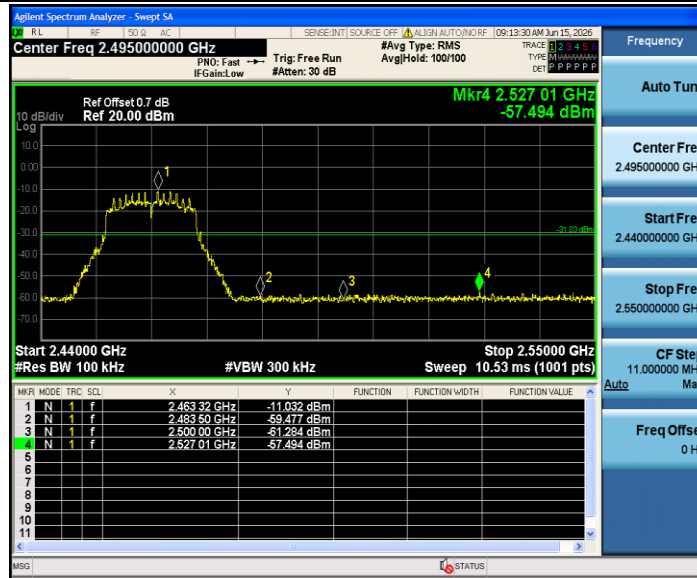
11G_Ant1_High_2462



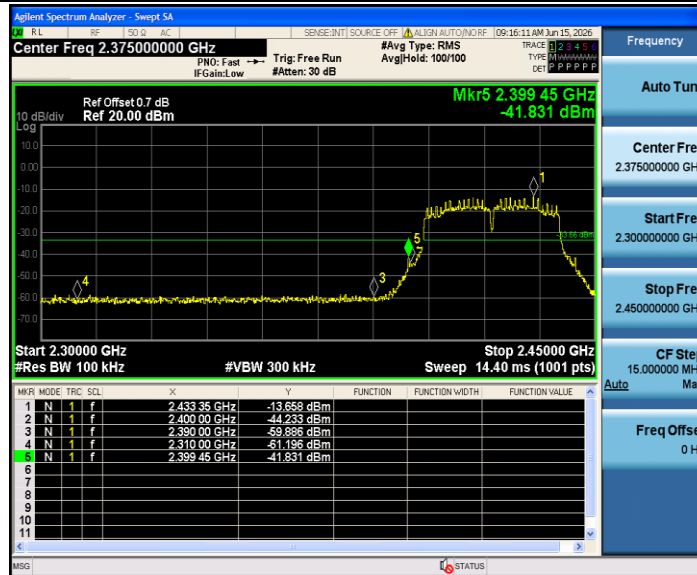
11N20SISO_Ant1_Low_2412



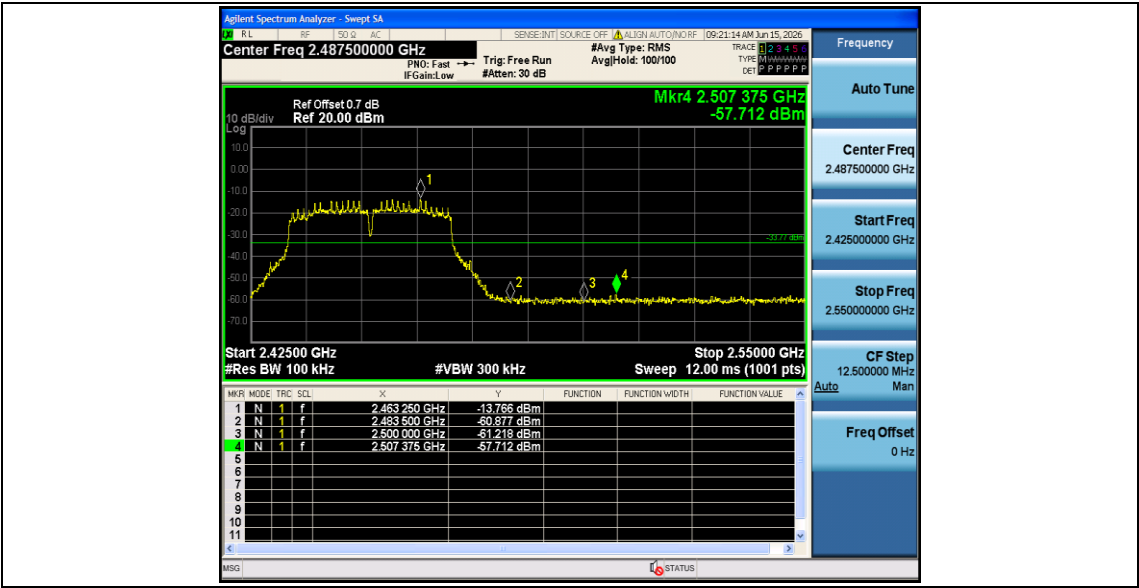
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



Appendix F: Conducted Spurious Emission

Test Result

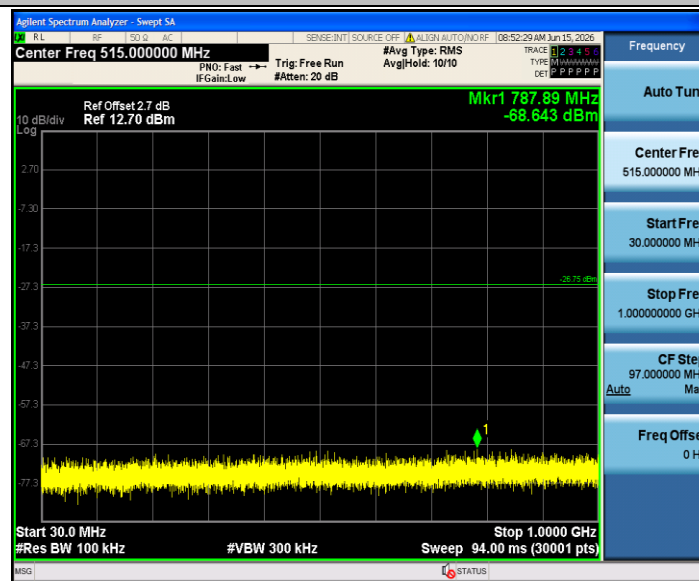
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-6.75	-6.75	---	PASS
			30~1000	-6.75	-68.64	≤-26.75	PASS
			1000~26500	-6.75	-56.29	≤-26.75	PASS
		2437	Reference	-7.59	-7.59	---	PASS
			30~1000	-7.59	-68.76	≤-27.59	PASS
			1000~26500	-7.59	-56.48	≤-27.59	PASS
		2462	Reference	-8.50	-8.50	---	PASS
			30~1000	-8.50	-67.55	≤-28.5	PASS
			1000~26500	-8.50	-56.36	≤-28.5	PASS
11G	Ant1	2412	Reference	-12.11	-12.11	---	PASS
			30~1000	-12.11	-68.37	≤-32.11	PASS
			1000~26500	-12.11	-56.57	≤-32.11	PASS
		2437	Reference	-11.40	-11.40	---	PASS
			30~1000	-11.40	-68.59	≤-31.4	PASS
			1000~26500	-11.40	-56.78	≤-31.4	PASS
		2462	Reference	-11.35	-11.35	---	PASS
			30~1000	-11.35	-68.47	≤-31.35	PASS
			1000~26500	-11.35	-57.37	≤-31.35	PASS
11N20SISO	Ant1	2412	Reference	-12.09	-12.09	---	PASS
			30~1000	-12.09	-68.12	≤-32.09	PASS
			1000~26500	-12.09	-56.11	≤-32.09	PASS
		2437	Reference	-11.60	-11.60	---	PASS
			30~1000	-11.60	-68.35	≤-31.6	PASS
			1000~26500	-11.60	-56.1	≤-31.6	PASS
		2462	Reference	-11.90	-11.90	---	PASS
			30~1000	-11.90	-68.1	≤-31.9	PASS
			1000~26500	-11.90	-56.17	≤-31.9	PASS
11N40SISO	Ant1	2422	Reference	-13.77	-13.77	---	PASS
			30~1000	-13.77	-68.19	≤-33.77	PASS
			1000~26500	-13.77	-56.83	≤-33.77	PASS
		2437	Reference	-13.85	-13.85	---	PASS
			30~1000	-13.85	-68.11	≤-33.85	PASS
			1000~26500	-13.85	-56.97	≤-33.85	PASS
		2452	Reference	-14.48	-14.48	---	PASS
			30~1000	-14.48	-68.95	≤-34.48	PASS
			1000~26500	-14.48	-56.17	≤-34.48	PASS

Test Graphs

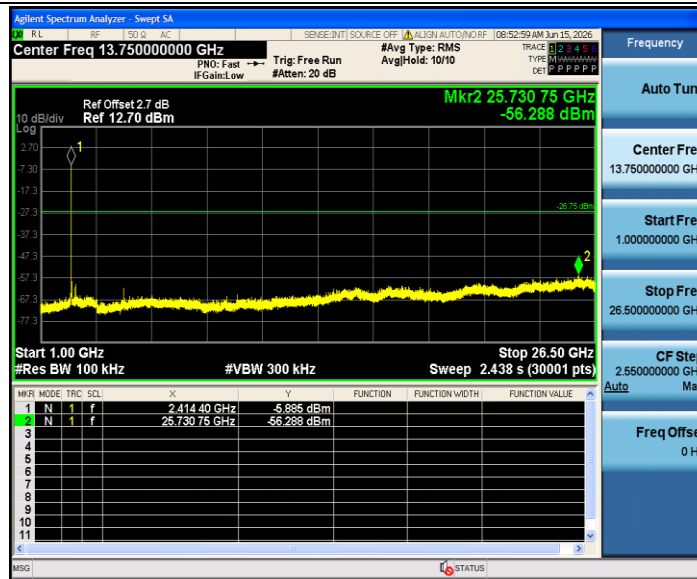
11B_Ant1_2412_0~Reference



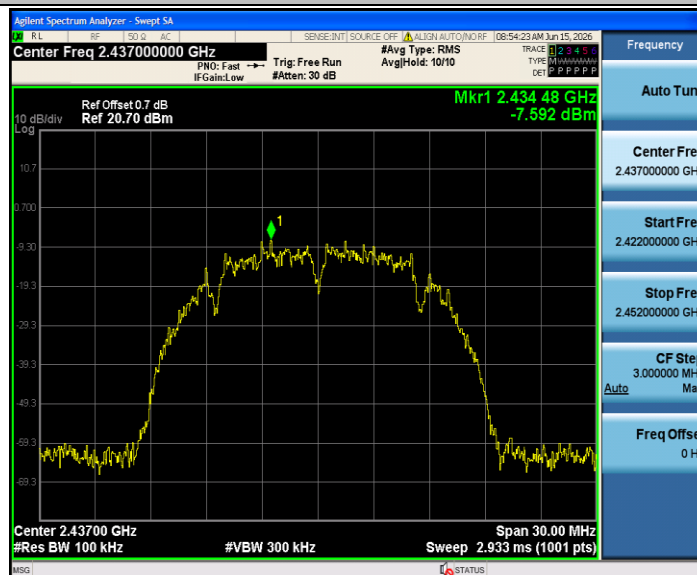
11B_Ant1_2412_30~1000



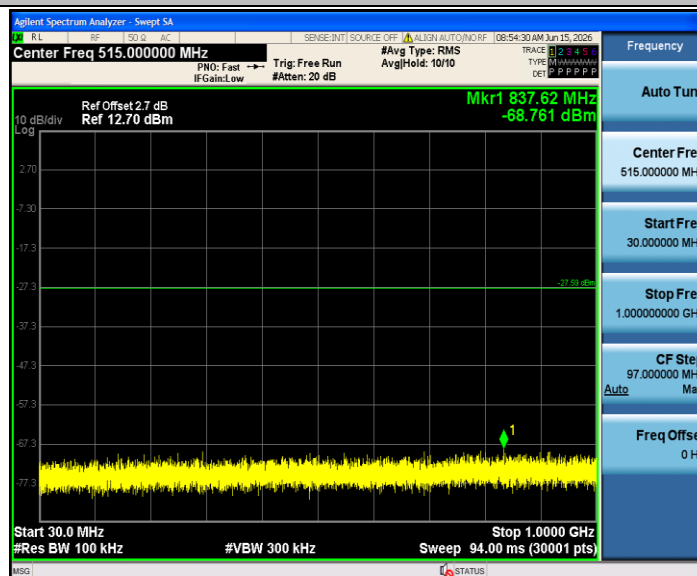
11B_Ant1_2412_1000~26500



11B_Ant1_2437_0~Reference



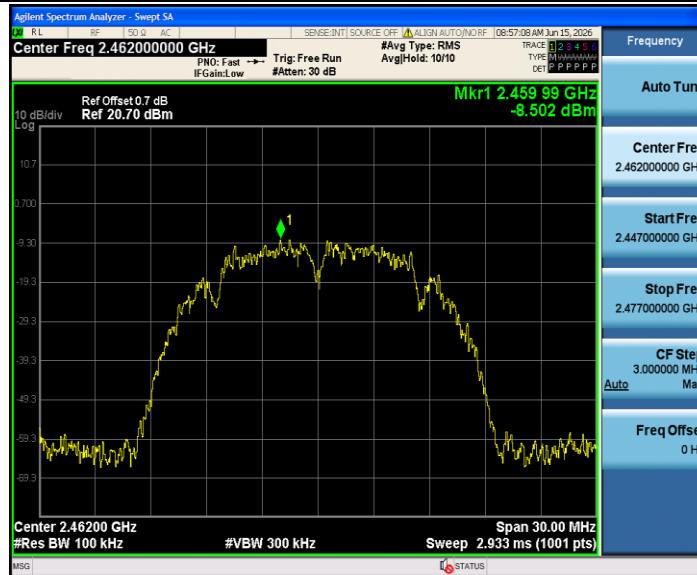
11B_Ant1_2437_30~1000



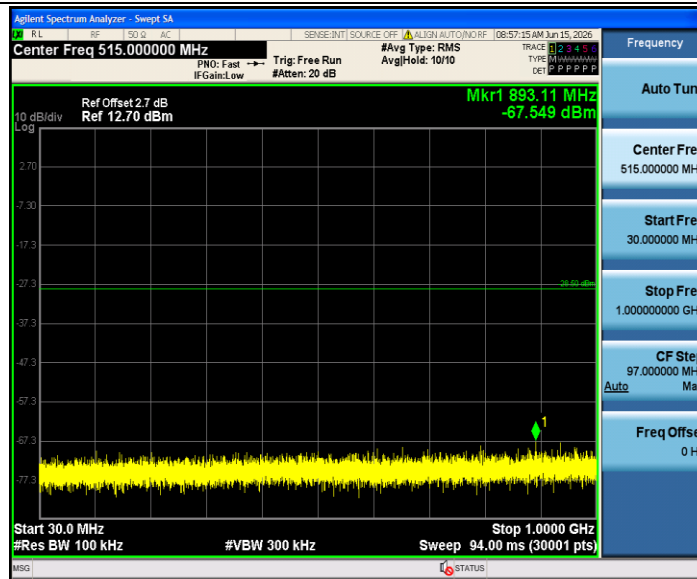
11B_Ant1_2437_1000~26500



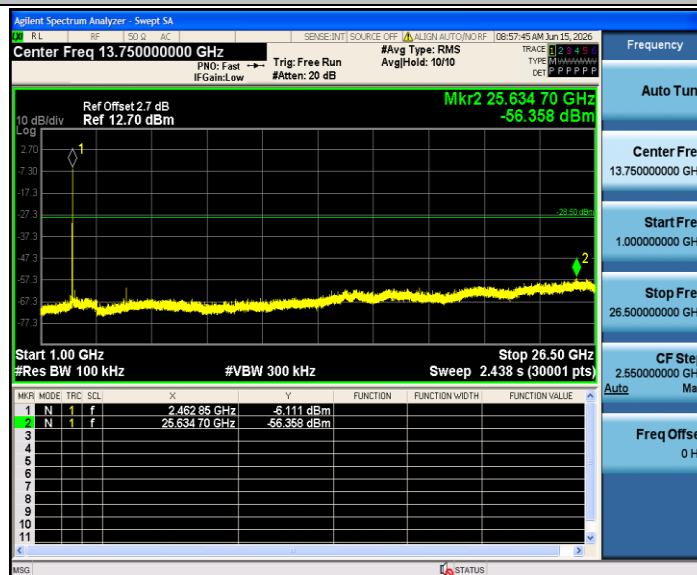
11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



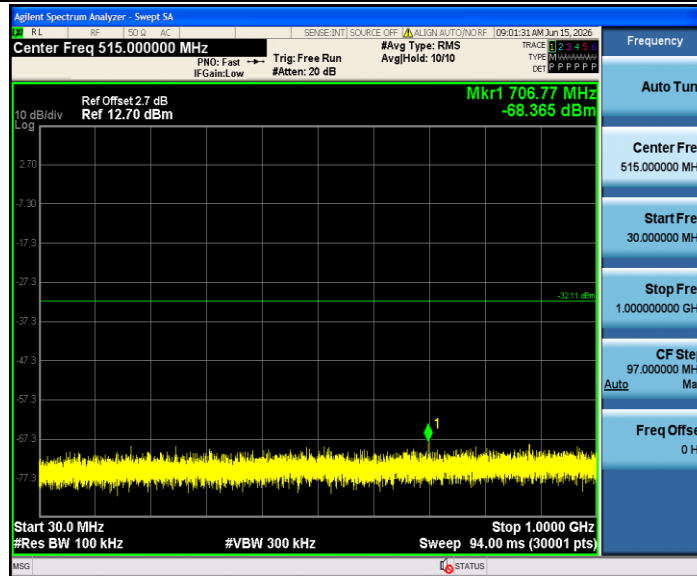
11B_Ant1_2462_1000~26500



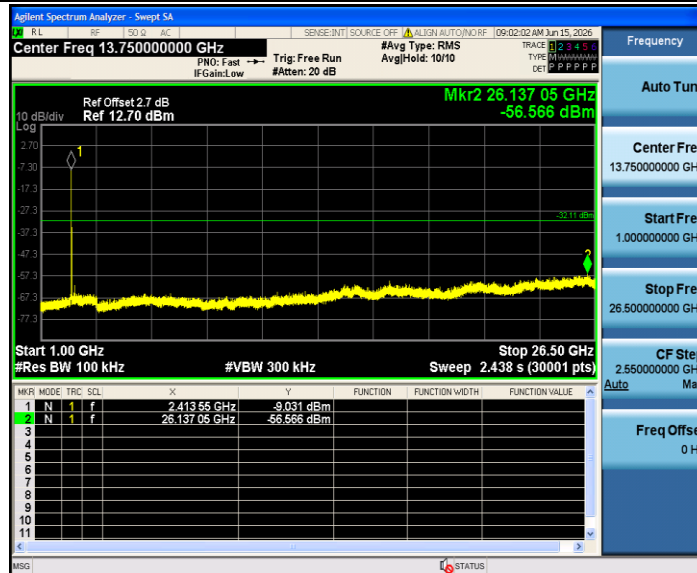
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



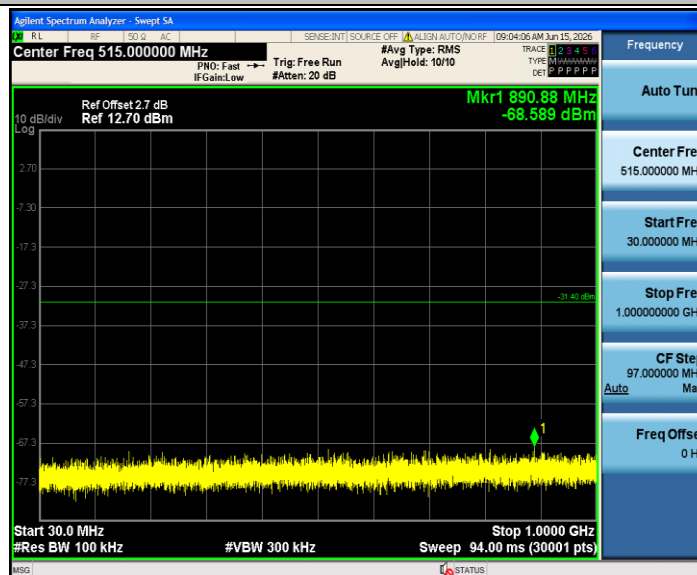
11G_Ant1_2412_1000~26500



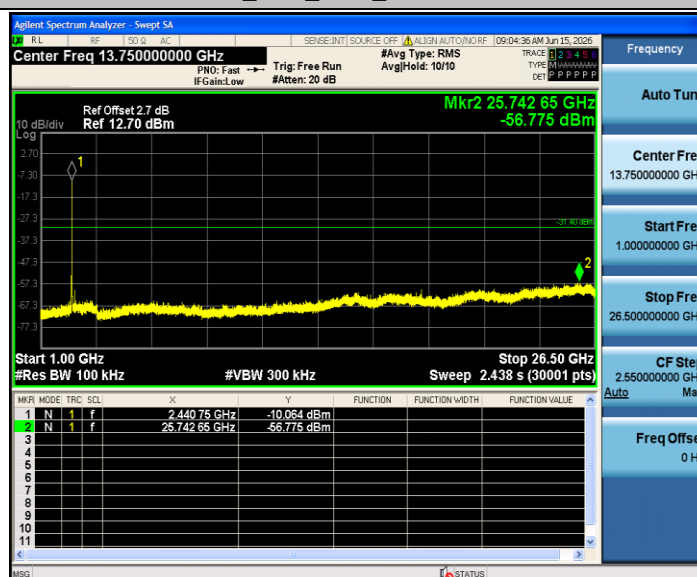
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



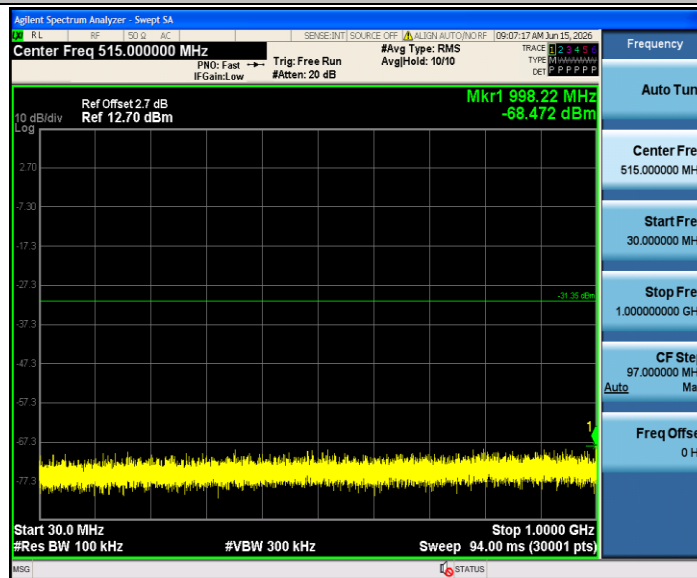
11G_Ant1_2437_1000~26500



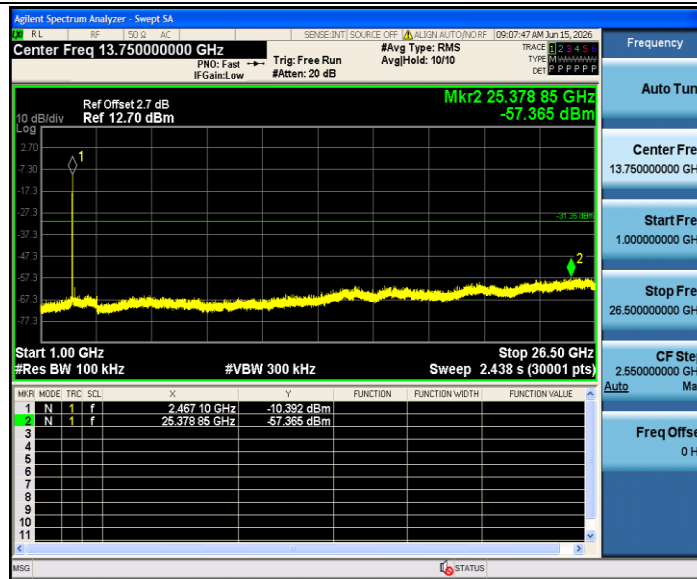
11G_Ant1_2462_0~Reference



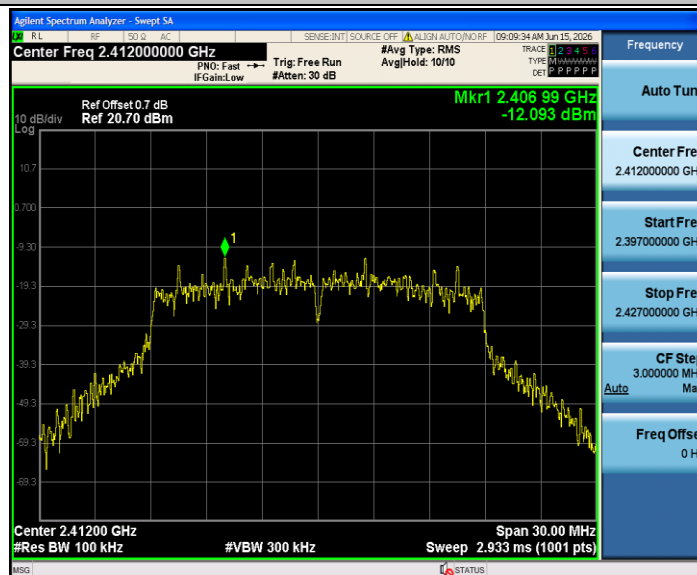
11G_Ant1_2462_30~1000



11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000

