

Applicant: Hengquan Technology (Dongguan) Co., Ltd.

Report No. : SZNTT26029458E1-1

EUT: Kids Walkie Talkies

M/N: GLT-VWT-01

Standard:FCC PART 15 C 15.247

Test Power Supply: DC 3.7V

Ambient Condition: 25 °C, 45 %RH, 101.325 kPa

Test Date:2026-07-30

Test Engineer:

Zhao Di

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.200	2407.880	2416.080	0.5	PASS
		2437	8.200	2432.880	2441.080	0.5	PASS
		2462	8.200	2457.880	2466.080	0.5	PASS
11G	Ant1	2412	16.160	2403.880	2420.040	0.5	PASS
		2437	16.240	2428.880	2445.120	0.5	PASS
		2462	16.280	2453.840	2470.120	0.5	PASS
11N20SISO	Ant1	2412	17.040	2403.480	2420.520	0.5	PASS
		2437	17.480	2428.240	2445.720	0.5	PASS
		2462	17.560	2453.160	2470.720	0.5	PASS
11N40SISO	Ant1	2422	35.760	2404.160	2439.920	0.5	PASS
		2437	35.920	2419.080	2455.000	0.5	PASS
		2452	35.920	2434.080	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	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.852	2405.5590	2418.4110	---	---
		2437	12.828	2430.5814	2443.4094	---	---
		2462	12.883	2455.5373	2468.4203	---	---
11G	Ant1	2412	16.514	2403.7226	2420.2366	---	---
		2437	17.069	2428.4057	2445.4747	---	---
		2462	16.928	2453.4651	2470.3931	---	---
11N20SISO	Ant1	2412	17.584	2403.2062	2420.7902	---	---
		2437	17.994	2428.0476	2446.0416	---	---
		2462	17.941	2452.9689	2470.9099	---	---
11N40SISO	Ant1	2422	36.047	2403.9665	2440.0135	---	---
		2437	36.057	2418.9515	2455.0085	---	---
		2452	35.972	2434.0832	2470.0552	---	---

Test Graphs

11B_Ant1_2412



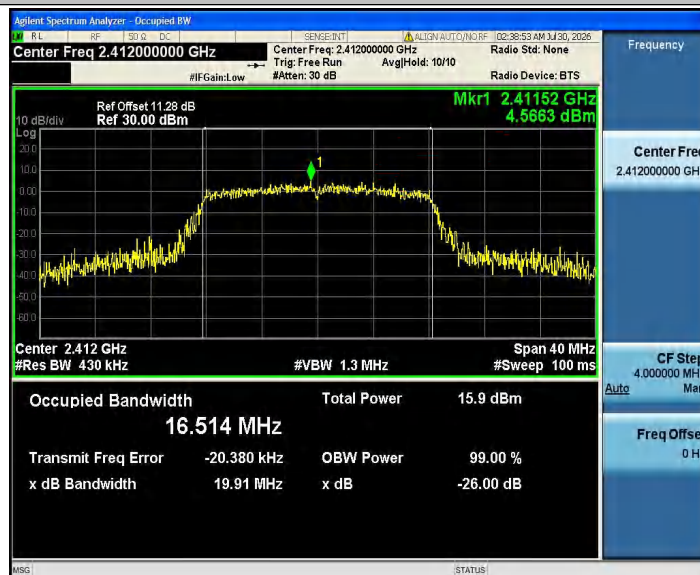
11B_Ant1_2437



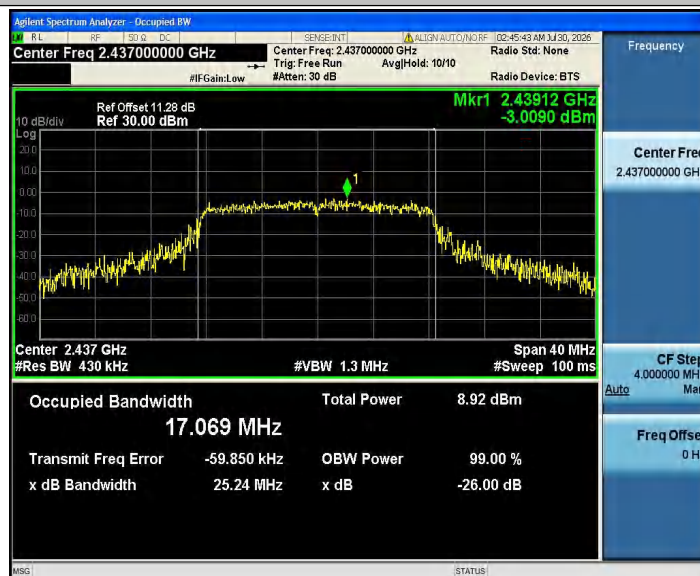
11B_Ant1_2462



11G_Ant1_2412



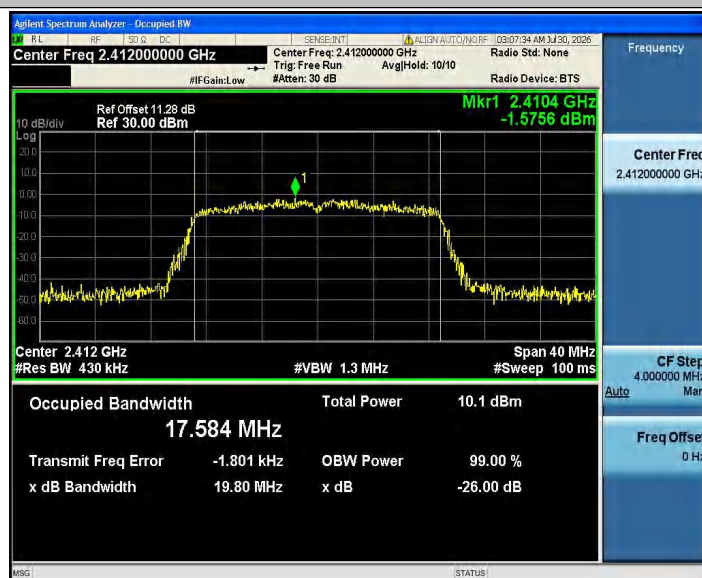
11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



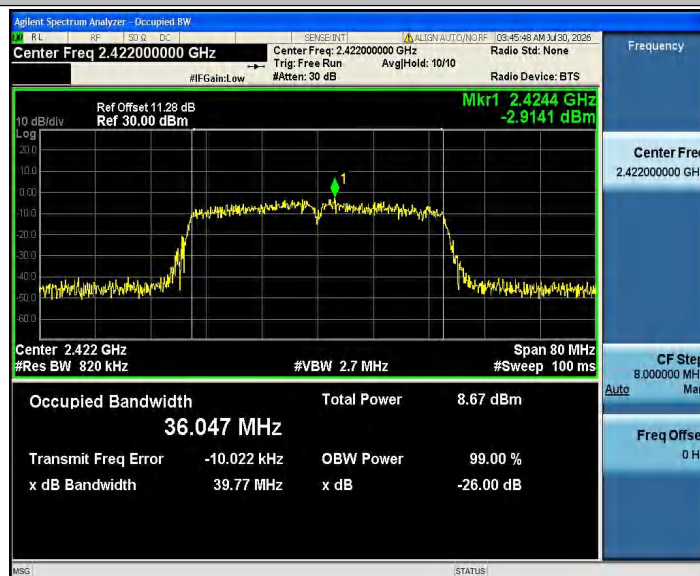
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



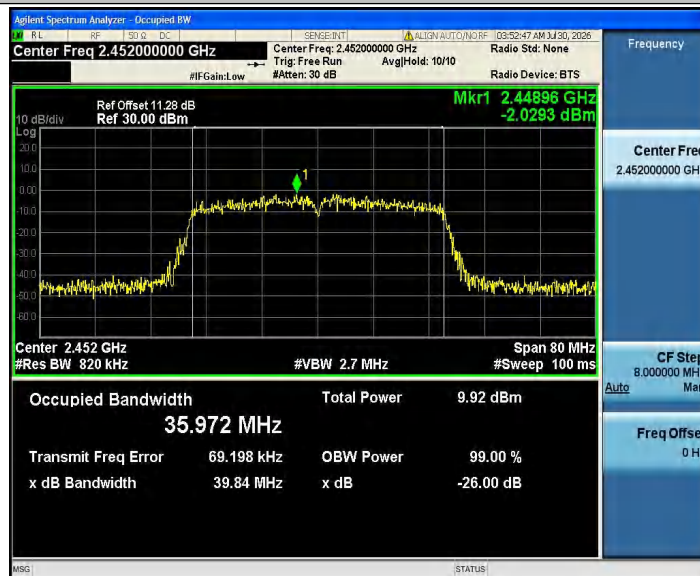
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Channel	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	7.67	≤30.00	PASS
		2437	7.78	≤30.00	PASS
		2462	8.12	≤30.00	PASS
11G	Ant1	2412	8.63	≤30.00	PASS
		2437	8.56	≤30.00	PASS
		2462	8.40	≤30.00	PASS
11N20SISO	Ant1	2412	8.13	≤30.00	PASS
		2437	8.18	≤30.00	PASS
		2462	8.48	≤30.00	PASS
11N40SISO	Ant1	2422	7.95	≤30.00	PASS
		2437	7.42	≤30.00	PASS
		2452	7.81	≤30.00	PASS

Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-7.16	≤8.00	PASS
		2437	-10.67	≤8.00	PASS
		2462	-10.93	≤8.00	PASS
11G	Ant1	2412	-10.64	≤8.00	PASS
		2437	-18.58	≤8.00	PASS
		2462	-18.32	≤8.00	PASS
11N20SISO	Ant1	2412	-16.81	≤8.00	PASS
		2437	-17.62	≤8.00	PASS
		2462	-17.94	≤8.00	PASS
11N40SISO	Ant1	2422	-22.50	≤8.00	PASS
		2437	-22.14	≤8.00	PASS
		2452	-20.76	≤8.00	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



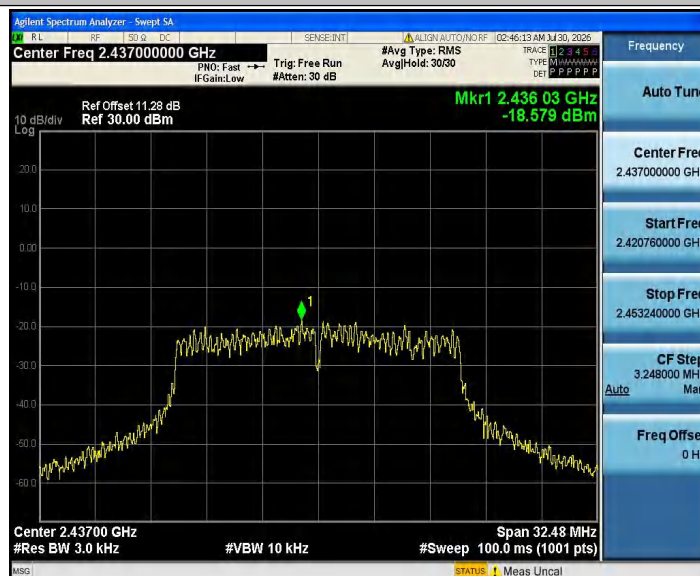
11B_Ant1_2462



11G_Ant1_2412



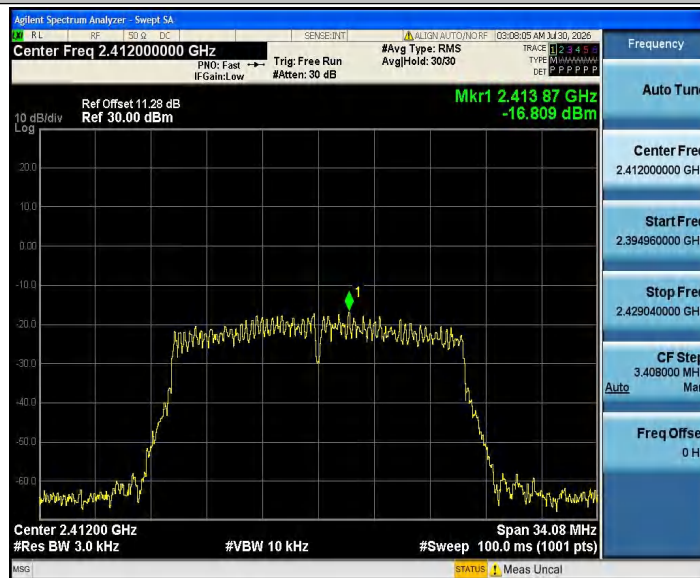
11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



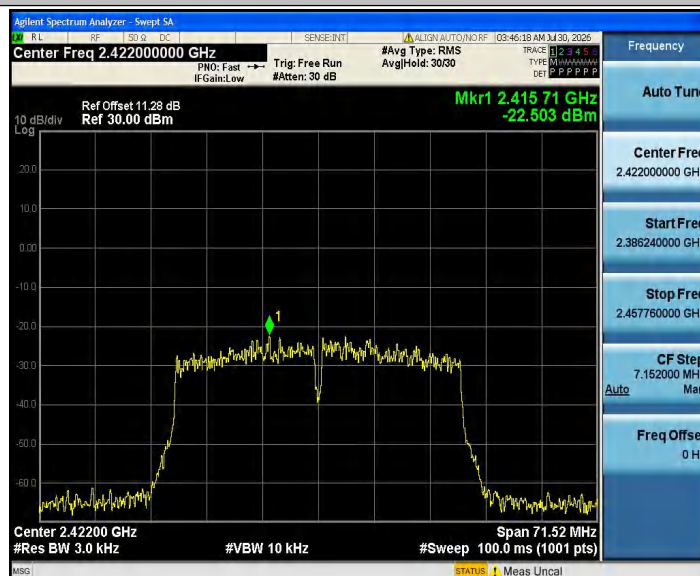
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



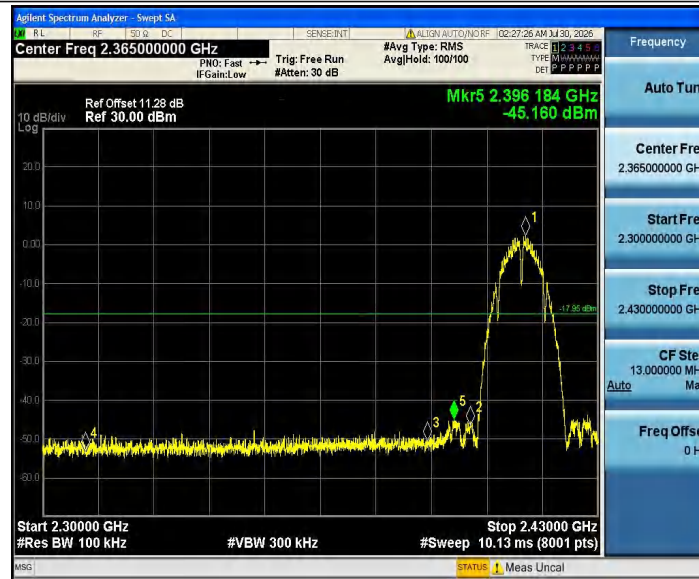
Appendix E: Band edge measurements

Test Result

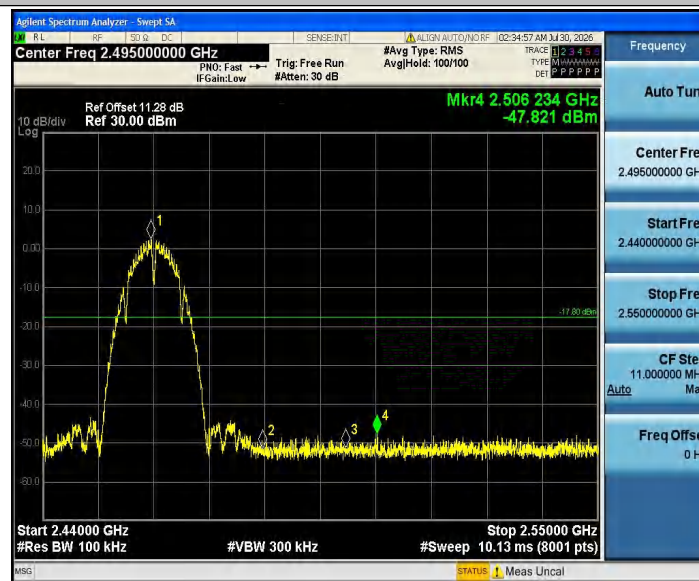
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.05	-45.16	≤ -17.95	PASS
		High	2462	2.20	-47.82	≤ -17.8	PASS
11G	Ant1	Low	2412	2.13	-28.64	≤ -17.88	PASS
		High	2462	-6.08	-47.71	≤ -26.08	PASS
11N20SISO	Ant1	Low	2412	-2.77	-46.05	≤ -22.77	PASS
		High	2462	-3.50	-47.74	≤ -23.5	PASS
11N40SISO	Ant1	Low	2422	-8.27	-47.41	≤ -28.27	PASS
		High	2452	-7.01	-47.62	≤ -27.01	PASS

Test Graphs

11B_Ant1_Low_2412



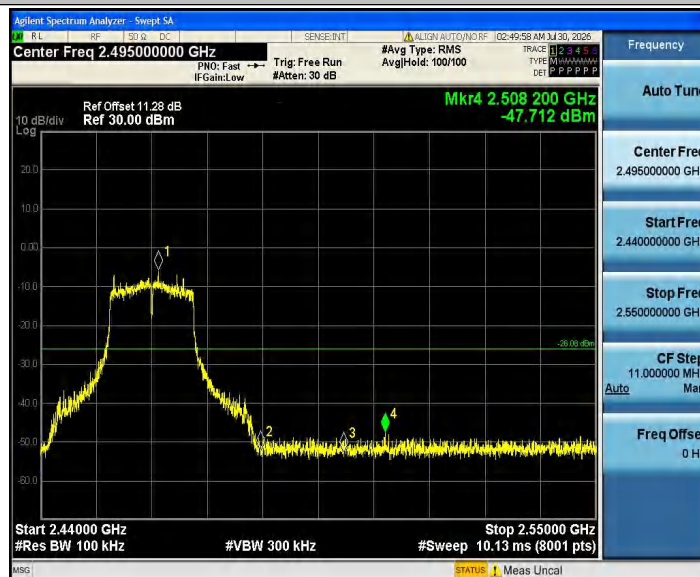
11B_Ant1_High_2462



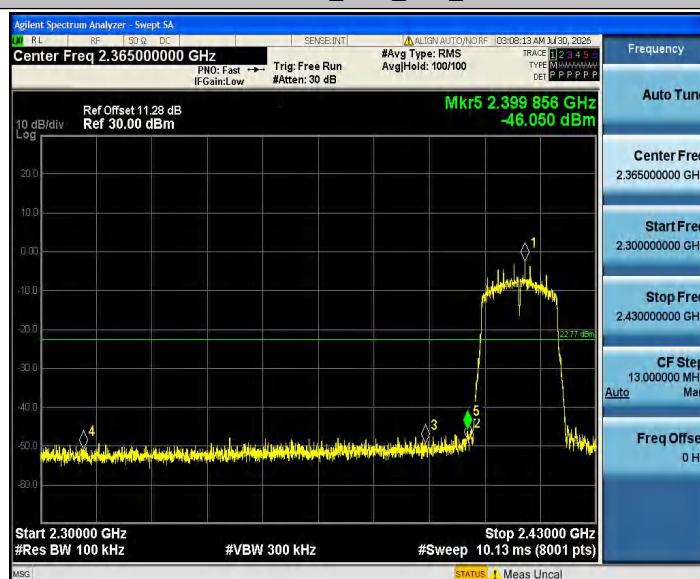
11G_Ant1_Low_2412



11G_Ant1_High_2462



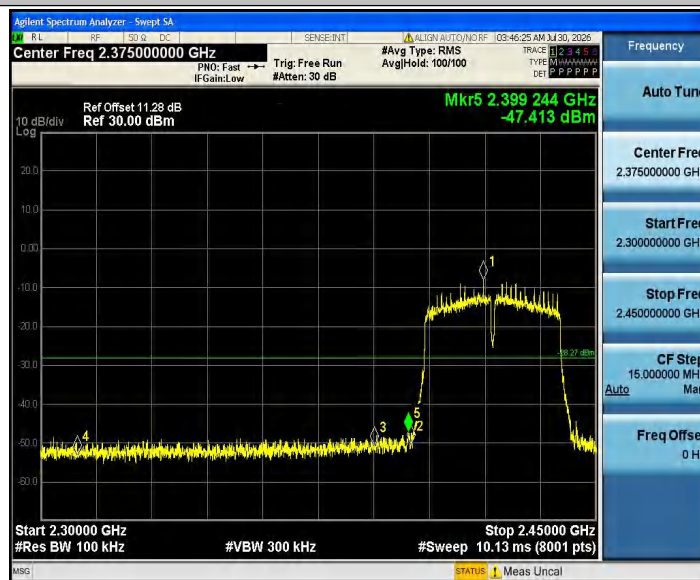
11N20SISO_Ant1_Low_2412



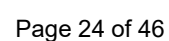
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



Appendix F: Conducted Spurious Emission

Test Result

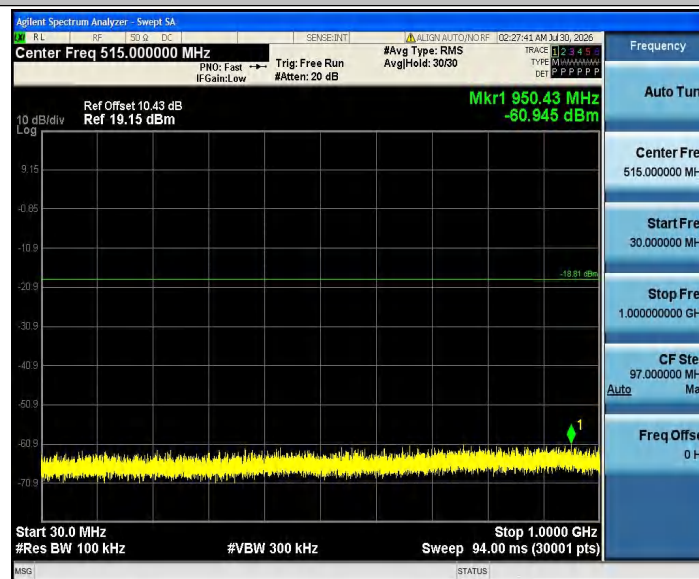
TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	1.19	1.19	---	PASS
			30~1000	1.19	-60.95	≤-18.81	PASS
			1000~26500	1.19	-37.93	≤-18.81	PASS
		2437	Reference	-0.27	-0.27	---	PASS
			30~1000	-0.27	-60.46	≤-20.27	PASS
			1000~26500	-0.27	-38.41	≤-20.27	PASS
		2462	Reference	2.37	2.37	---	PASS
			30~1000	2.37	-59.45	≤-17.63	PASS
			1000~26500	2.37	-38.92	≤-17.63	PASS
11G	Ant1	2412	Reference	-1.12	-1.12	---	PASS
			30~1000	-1.12	-60.77	≤-21.12	PASS
			1000~26500	-1.12	-38.48	≤-21.12	PASS
		2437	Reference	-9.01	-9.01	---	PASS
			30~1000	-9.01	-60.37	≤-29.01	PASS
			1000~26500	-9.01	-38.72	≤-29.01	PASS
		2462	Reference	-8.85	-8.85	---	PASS
			30~1000	-8.85	-60.37	≤-28.85	PASS
			1000~26500	-8.85	-38.89	≤-28.85	PASS
11N20SISO	Ant1	2412	Reference	-6.53	-6.53	---	PASS
			30~1000	-6.53	-60.41	≤-26.53	PASS
			1000~26500	-6.53	-38.25	≤-26.53	PASS
		2437	Reference	-7.61	-7.61	---	PASS
			30~1000	-7.61	-60.34	≤-27.61	PASS
			1000~26500	-7.61	-38.34	≤-27.61	PASS
		2462	Reference	-7.35	-7.35	---	PASS
			30~1000	-7.35	-60.02	≤-27.35	PASS
			1000~26500	-7.35	-38.54	≤-27.35	PASS
11N40SISO	Ant1	2422	Reference	-9.99	-9.99	---	PASS
			30~1000	-9.99	-59.99	≤-29.99	PASS
			1000~26500	-9.99	-38.62	≤-29.99	PASS
		2437	Reference	-8.73	-8.73	---	PASS
			30~1000	-8.73	-60.8	≤-28.73	PASS
			1000~26500	-8.73	-38.6	≤-28.73	PASS
		2452	Reference	-10.25	-10.25	---	PASS
			30~1000	-10.25	-60.63	≤-30.25	PASS
			1000~26500	-10.25	-38.61	≤-30.25	PASS

Test Graphs

11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



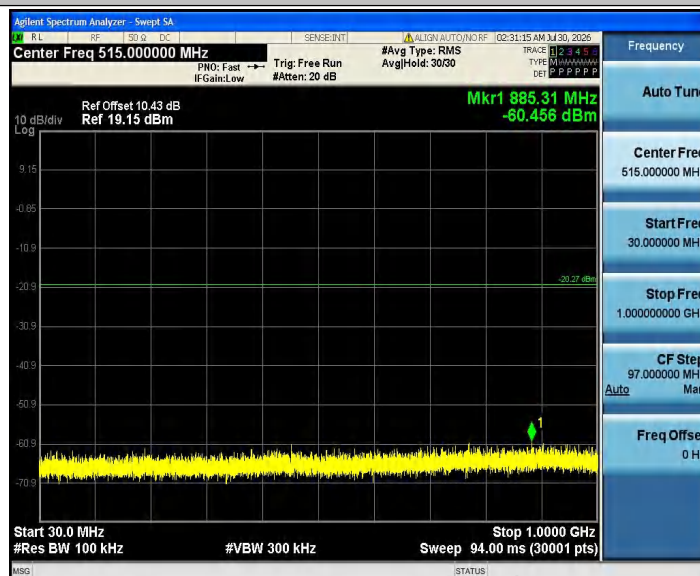
11B_Ant1_2412_1000~26500



11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



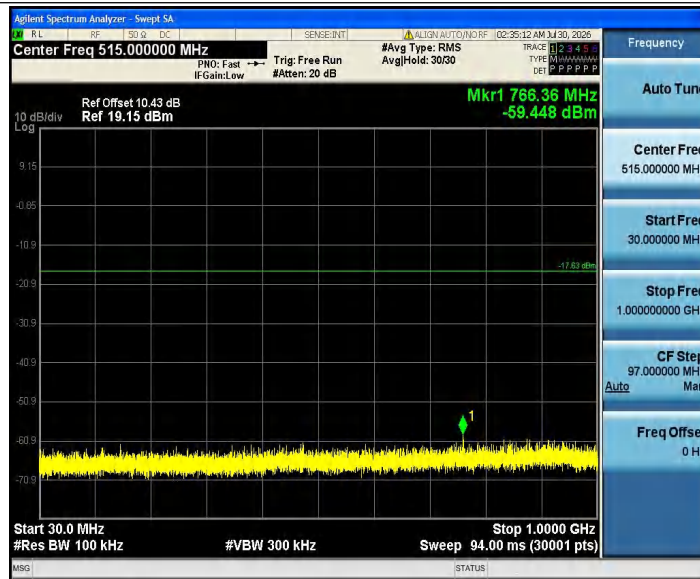
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



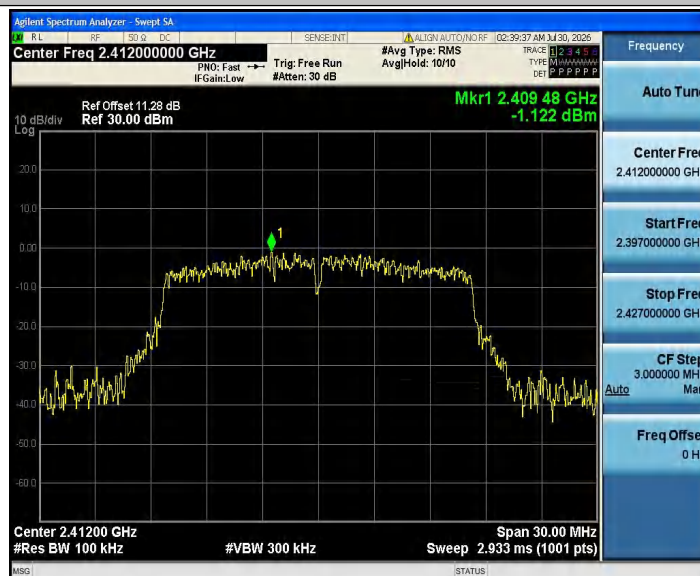
11B_Ant1_2462_30~1000



11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



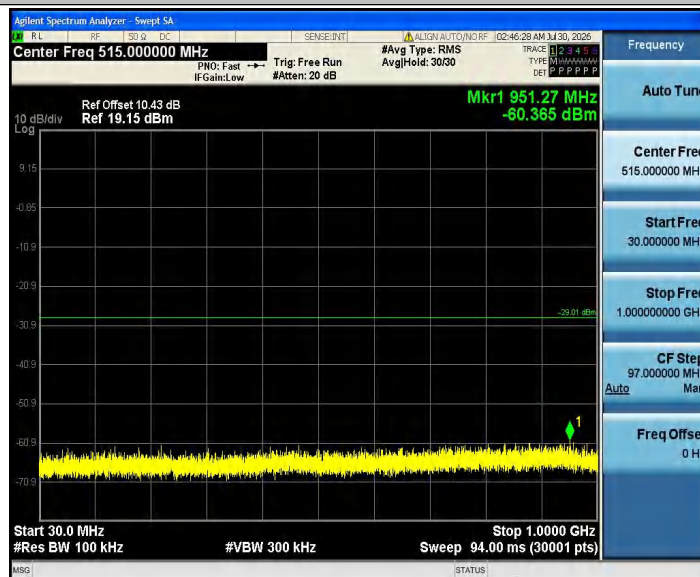
11G_Ant1_2412_1000~26500



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



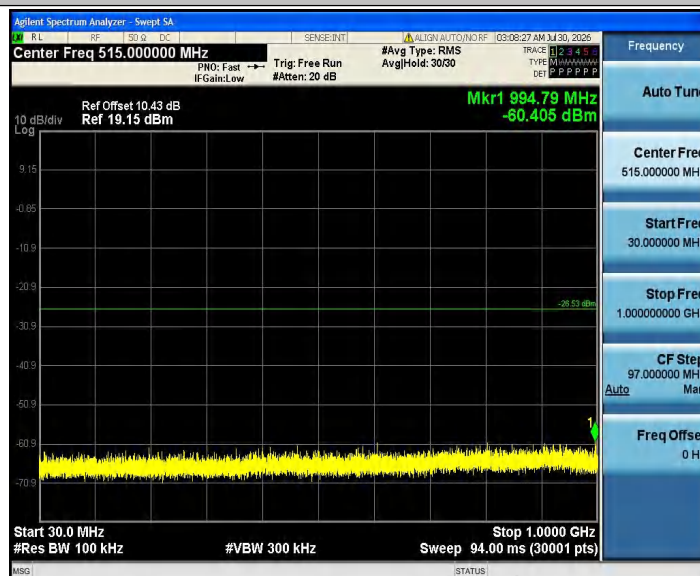
11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



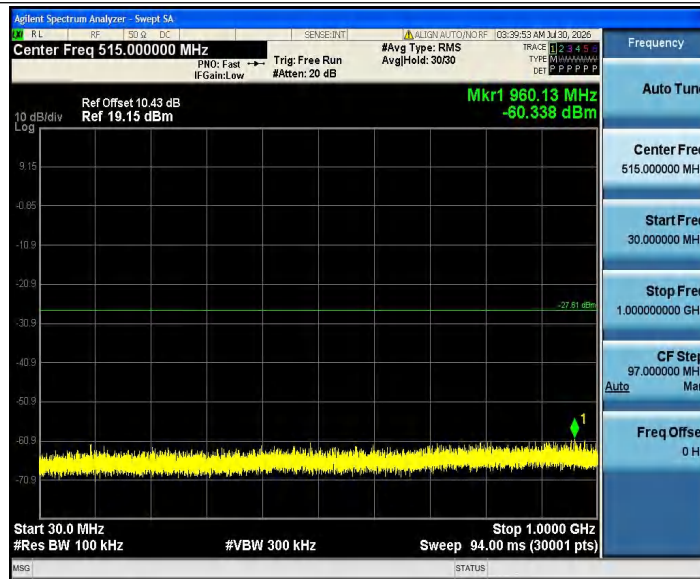
11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



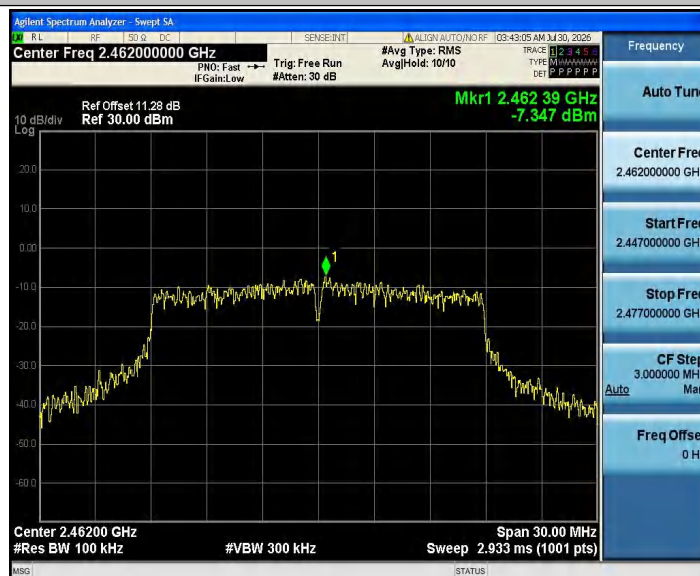
11N20SISO_Ant1_2437_30~1000



11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



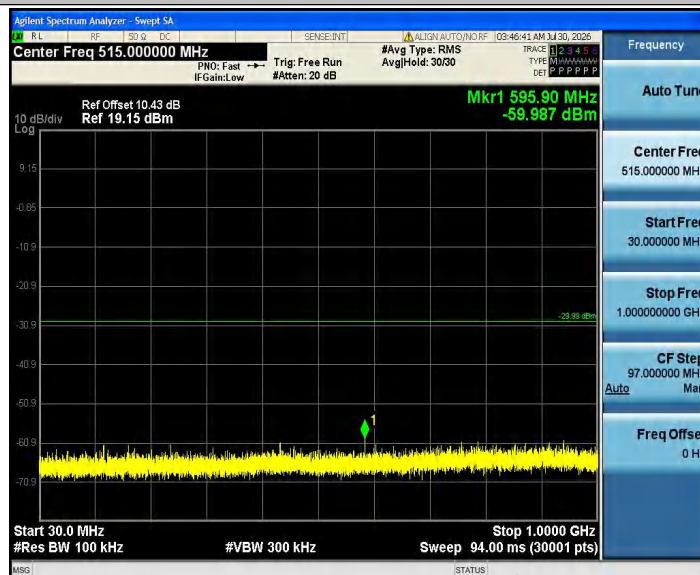
11N20SISO_Ant1_2462_1000~26500



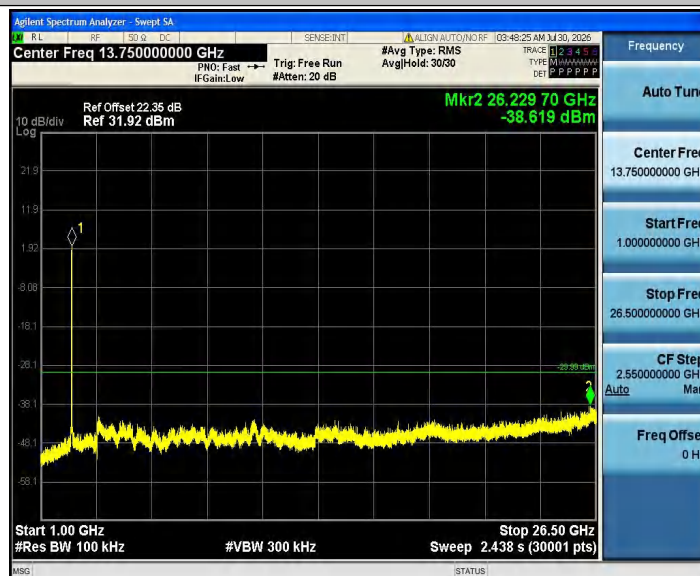
11N40SISO_Ant1_2422_0~Reference



11N40SISO_Ant1_2422_30~1000



11N40SISO_Ant1_2422_1000~26500



11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_30~1000



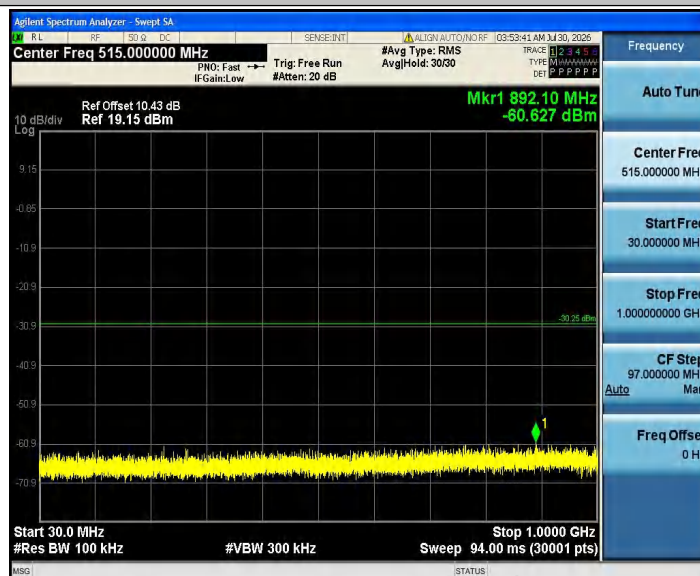
11N40SISO_Ant1_2437_1000~26500



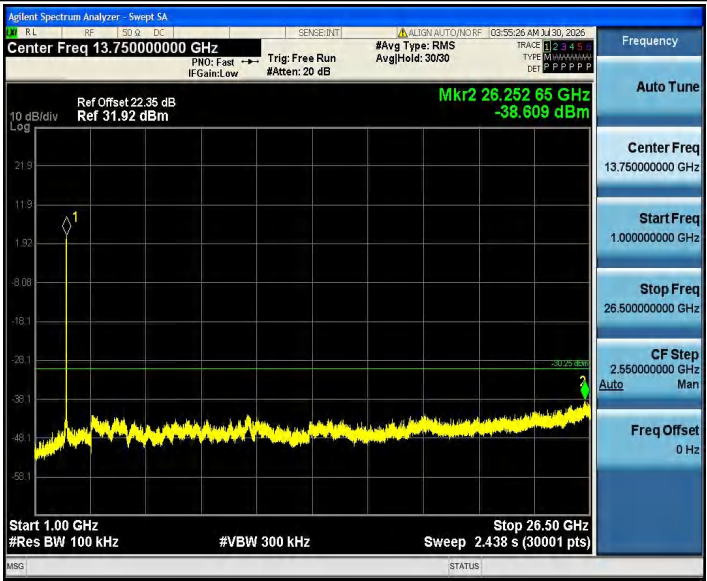
11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



11N40SISO_Ant1_2452_1000~26500



Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	8.38	8.41	99.64	---	---
		2437	8.38	8.41	99.64	---	---
		2462	8.38	8.41	99.64	---	---
11G	Ant1	2412	1.40	1.43	97.90	---	---
		2437	1.39	1.43	97.20	---	---
		2462	1.39	1.43	97.20	---	---
11N20SISO	Ant1	2412	1.30	1.33	97.74	---	---
		2437	1.30	1.33	97.74	---	---
		2462	1.30	1.34	97.01	---	---
11N40SISO	Ant1	2422	0.65	0.68	95.59	---	---
		2437	0.65	0.68	95.59	---	---
		2452	0.64	0.68	94.12	---	---

Test Graphs

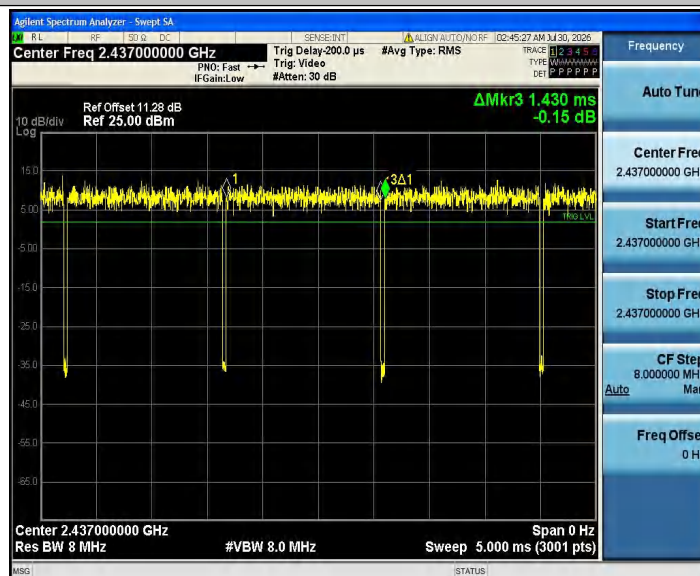
11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



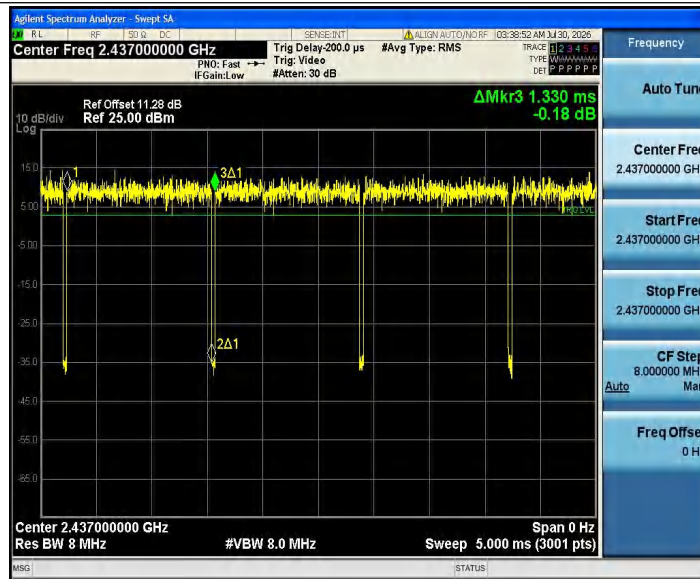
11G_Ant1_2462



11N20SISO_Ant1_2412



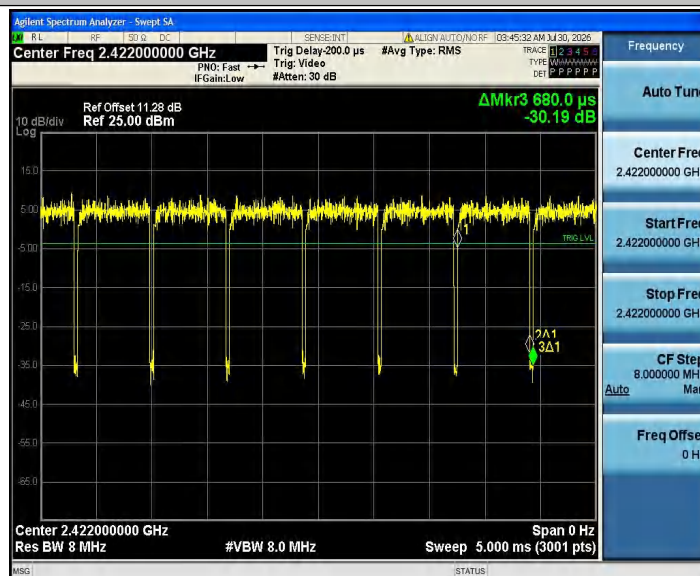
11N20SISO_Ant1_2437



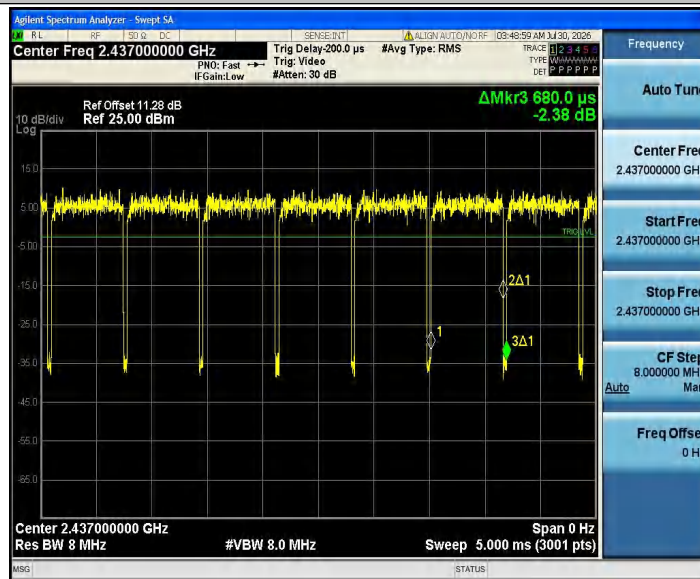
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452

