

Case No. : <u>GTS20260829004-2-01</u>	
Ambient Condition: <u>24</u> °C, <u>50</u> %RH,	
Test Date: <u>2026.9.17</u>	Test Engineer: <u>Evan ouyang</u>

Appendix A.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.400	2406.800	2417.200	0.5	PASS
		2437	10.360	2431.840	2442.200	0.5	PASS
		2462	10.400	2456.800	2467.200	0.5	PASS
11G	Ant1	2412	16.320	2403.880	2420.200	0.5	PASS
		2437	16.120	2429.000	2445.120	0.5	PASS
		2462	16.240	2453.880	2470.120	0.5	PASS
11N20SISO	Ant1	2412	17.480	2403.280	2420.760	0.5	PASS
		2437	17.360	2428.360	2445.720	0.5	PASS
		2462	17.280	2453.280	2470.560	0.5	PASS
11N40SISO	Ant1	2422	35.920	2404.080	2440.000	0.5	PASS
		2437	35.920	2419.080	2455.000	0.5	PASS
		2452	36.080	2434.080	2470.160	0.5	PASS

Test Graphs

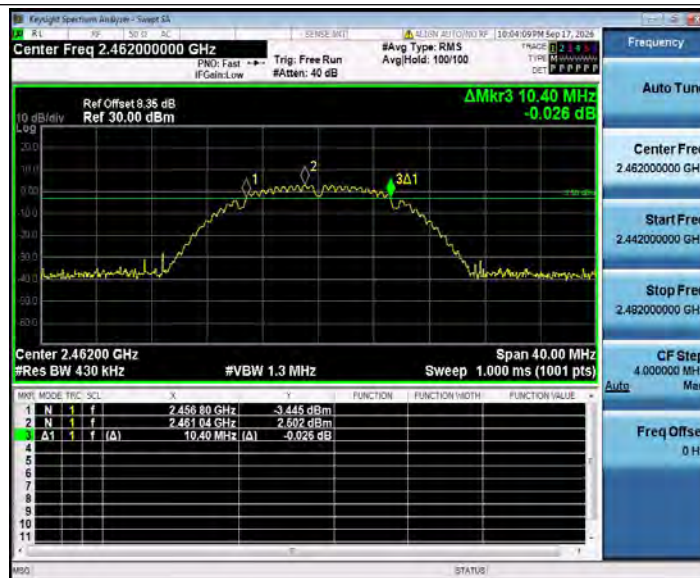
11B_Ant1_2412



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

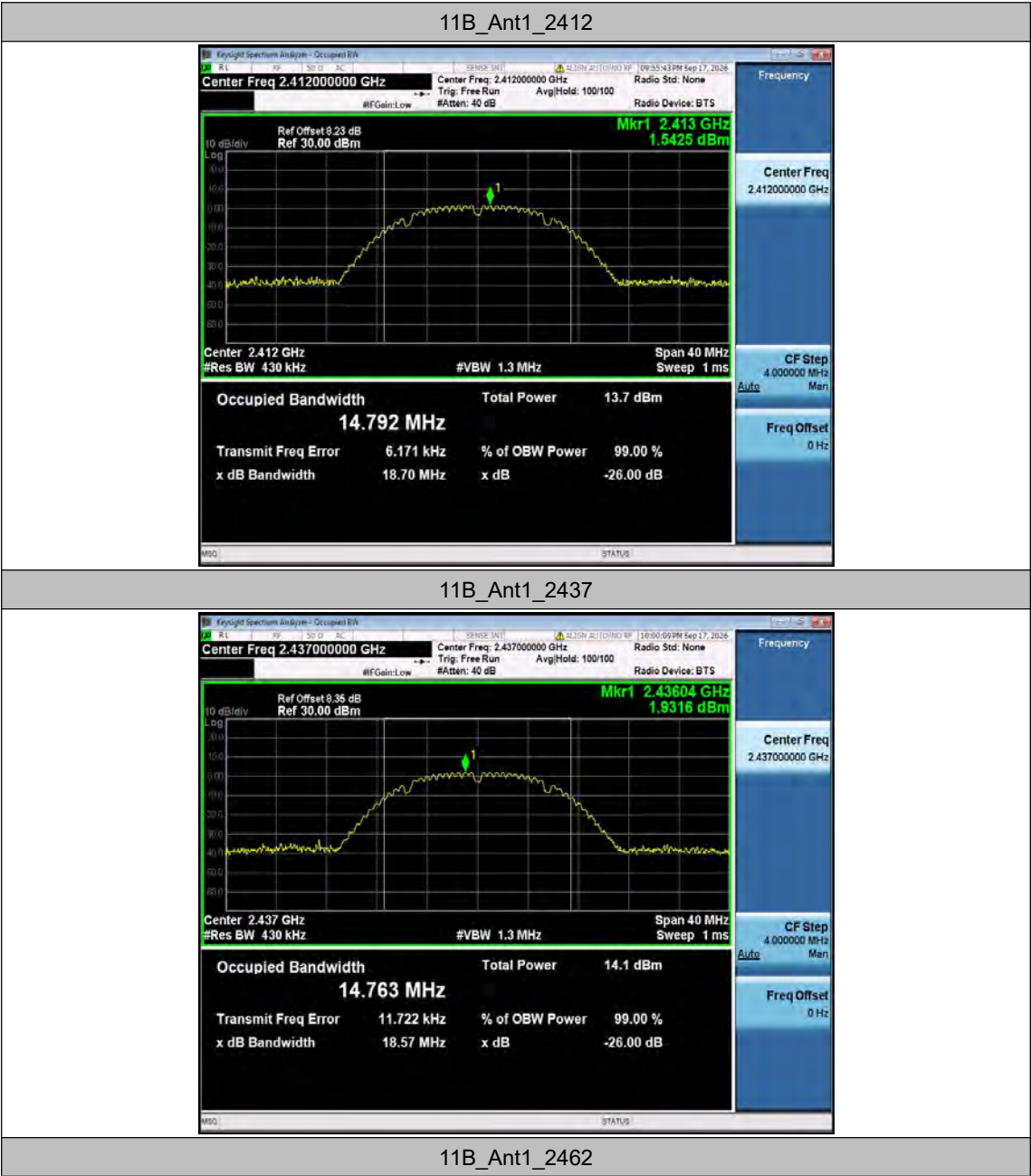


Appendix A.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.792	2404.6102	2419.4022	---	---
		2437	14.763	2429.6302	2444.3932	---	---
		2462	14.752	2454.5985	2469.3505	---	---
11G	Ant1	2412	16.725	2403.6462	2420.3712	---	---
		2437	16.787	2428.6197	2445.4067	---	---
		2462	16.748	2453.6236	2470.3716	---	---
11N20SISO	Ant1	2412	17.872	2403.1064	2420.9784	---	---
		2437	17.863	2428.0765	2445.9395	---	---
		2462	17.818	2453.0647	2470.8827	---	---
11N40SISO	Ant1	2422	36.252	2403.9426	2440.1946	---	---
		2437	36.144	2418.9628	2455.1068	---	---
		2452	36.102	2433.9545	2470.0565	---	---

Test Graphs





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 A.3: Maximum conducted output power

Test Mode	Antenna	Frequency[MHz]	Set Power	Peak power [dBm]	Limit [dBm]
11B	Ant1	2412	---	13.77	≤30.00
		2437	---	14.10	≤30.00
		2462	---	14.70	≤30.00
11G	Ant1	2412	---	17.29	≤30.00
		2437	---	17.66	≤30.00
		2462	---	18.00	≤30.00
11N20SI SO	Ant1	2412	---	17.16	≤30.00
		2437	---	17.55	≤30.00
		2462	---	17.79	≤30.00
11N40SI SO	Ant1	2422	---	17.47	≤30.00
		2437	---	17.86	≤30.00
		2452	---	18.30	≤30.00

Appendix A.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-12.58	≤8.00	PASS
		2437	-13.00	≤8.00	PASS
		2462	-12.29	≤8.00	PASS
11G	Ant1	2412	-14.89	≤8.00	PASS
		2437	-14.96	≤8.00	PASS
		2462	-14.21	≤8.00	PASS
11N20SISO	Ant1	2412	-15.31	≤8.00	PASS
		2437	-15.03	≤8.00	PASS
		2462	-15.15	≤8.00	PASS
11N40SISO	Ant1	2422	-18.33	≤8.00	PASS
		2437	-17.15	≤8.00	PASS
		2452	-16.38	≤8.00	PASS

Test Graphs

11B_Ant1_2412



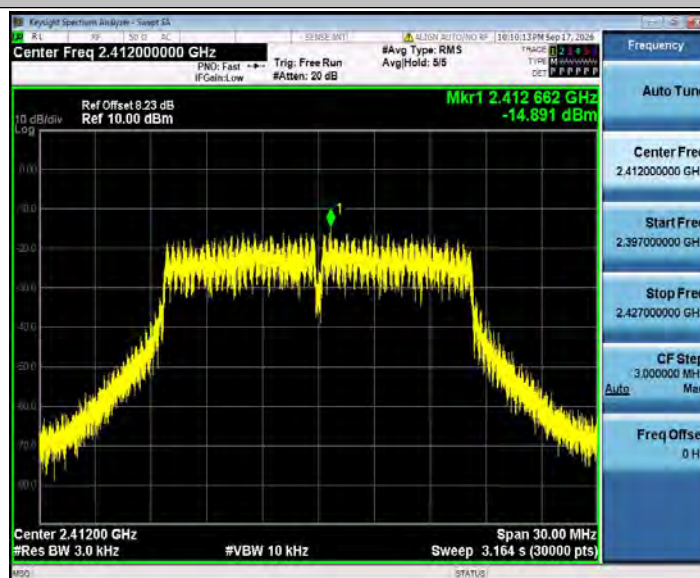
11B_Ant1_2437



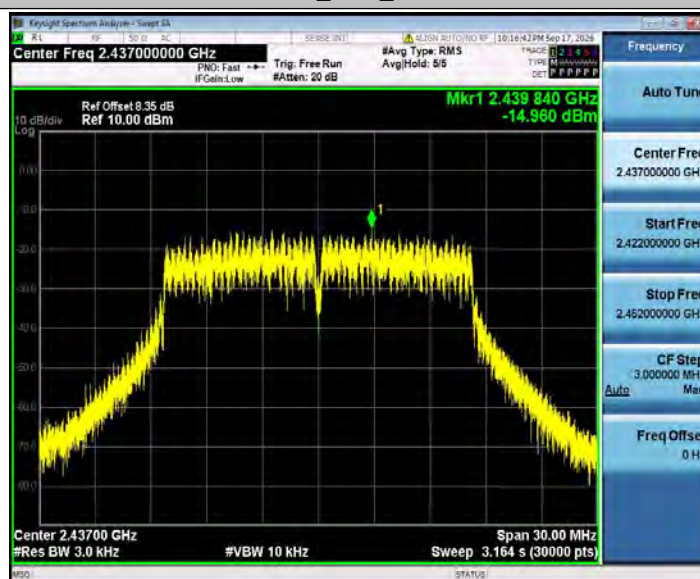
11B_Ant1_2462



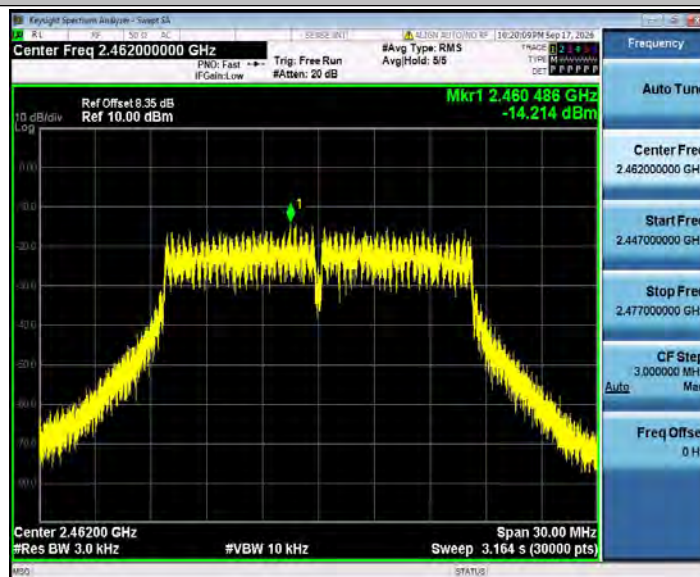
11G_Ant1_2412



11G_Ant1_2437



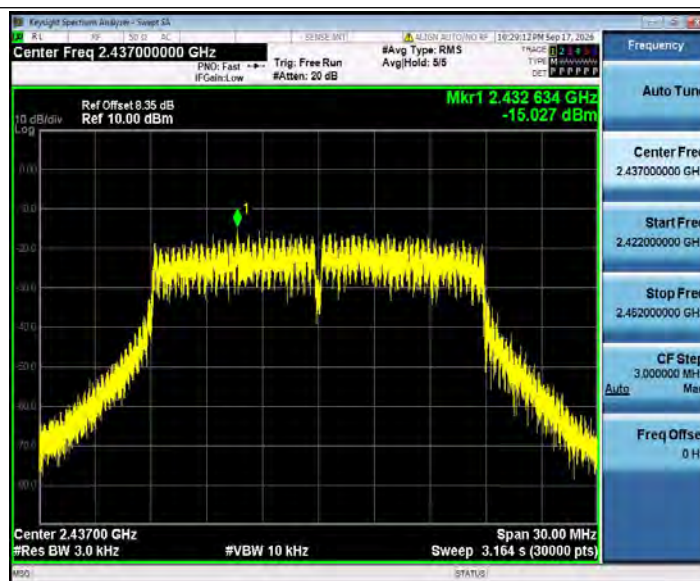
11G_Ant1_2462



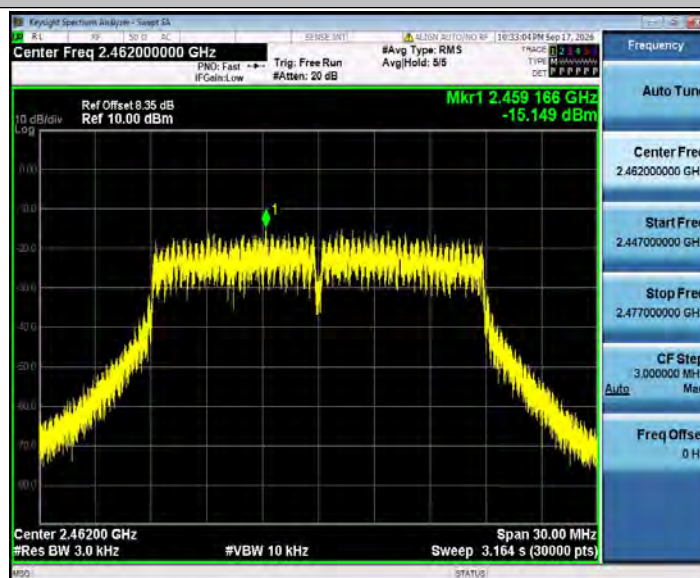
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



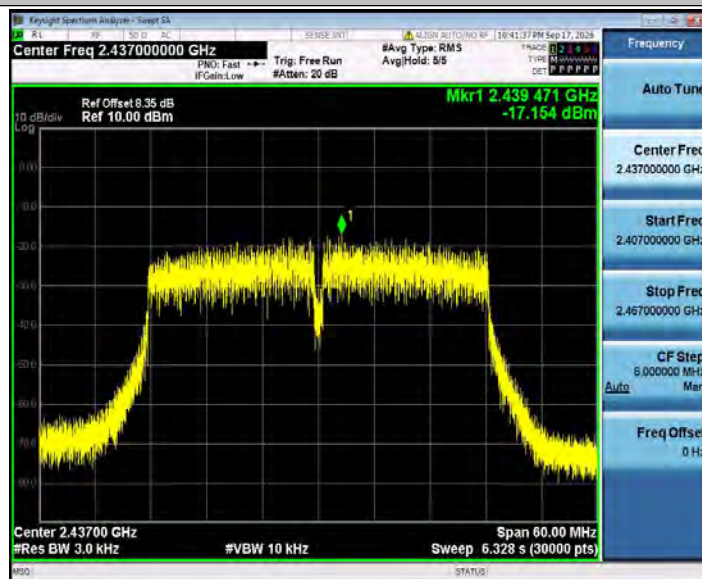
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix A.5: Band edge measurements

Test Result

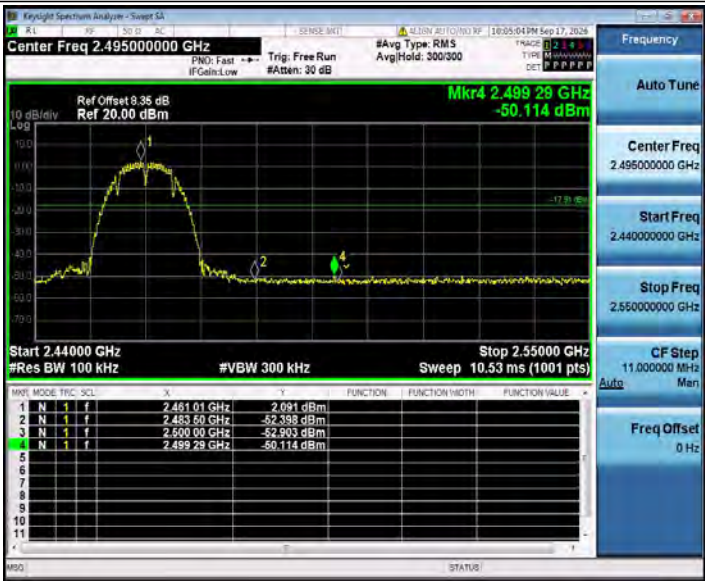
TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	1.25	-44.56	≤-18.75	PASS
		High	2462	2.09	-50.11	≤-17.91	PASS
11G	Ant1	Low	2412	-1.35	-40.33	≤-21.35	PASS
		High	2462	-0.48	-49.77	≤-20.48	PASS
11N20SISO	Ant1	Low	2412	-1.33	-38.46	≤-21.33	PASS
		High	2462	-0.47	-48.83	≤-20.47	PASS
11N40SISO	Ant1	Low	2422	-3.64	-43.72	≤-23.64	PASS
		High	2452	-2.48	-48.71	≤-22.48	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 A.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	0.28	0.28	---	PASS
			30~1000	0.28	-62.24	≤-19.72	PASS
			1000~26500	0.28	-48.34	≤-19.72	PASS
		2437	Reference	0.42	0.42	---	PASS
			30~1000	0.42	-61.8	≤-19.58	PASS
			1000~26500	0.42	-48.11	≤-19.58	PASS
		2462	Reference	0.67	0.67	---	PASS
			30~1000	0.67	-61.26	≤-19.33	PASS
			1000~26500	0.67	-47.95	≤-19.33	PASS
11G	Ant1	2412	Reference	-1.57	-1.57	---	PASS
			30~1000	-1.57	-62.2	≤-21.57	PASS
			1000~26500	-1.57	-48.7	≤-21.57	PASS
		2437	Reference	-1.79	-1.79	---	PASS
			30~1000	-1.79	-61.89	≤-21.79	PASS
			1000~26500	-1.79	-48.07	≤-21.79	PASS
		2462	Reference	-3.51	-3.51	---	PASS
			30~1000	-3.51	-62.01	≤-23.51	PASS
			1000~26500	-3.51	-47.68	≤-23.51	PASS
11N20SISO	Ant1	2412	Reference	-3.19	-3.19	---	PASS
			30~1000	-3.19	-61.31	≤-23.19	PASS
			1000~26500	-3.19	-48.61	≤-23.19	PASS
		2437	Reference	-3.94	-3.94	---	PASS
			30~1000	-3.94	-61.94	≤-23.94	PASS
			1000~26500	-3.94	-48.35	≤-23.94	PASS
		2462	Reference	-4.07	-4.07	---	PASS
			30~1000	-4.07	-61.73	≤-24.07	PASS
			1000~26500	-4.07	-48.02	≤-24.07	PASS
11N40SISO	Ant1	2422	Reference	-5.60	-5.60	---	PASS
			30~1000	-5.60	-61.68	≤-25.6	PASS
			1000~26500	-5.60	-47.94	≤-25.6	PASS
		2437	Reference	-4.56	-4.56	---	PASS
			30~1000	-4.56	-61.8	≤-24.56	PASS
			1000~26500	-4.56	-48.42	≤-24.56	PASS
		2452	Reference	-3.60	-3.60	---	PASS
			30~1000	-3.60	-61.45	≤-23.6	PASS
			1000~26500	-3.60	-48.38	≤-23.6	PASS

Test Graphs

11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



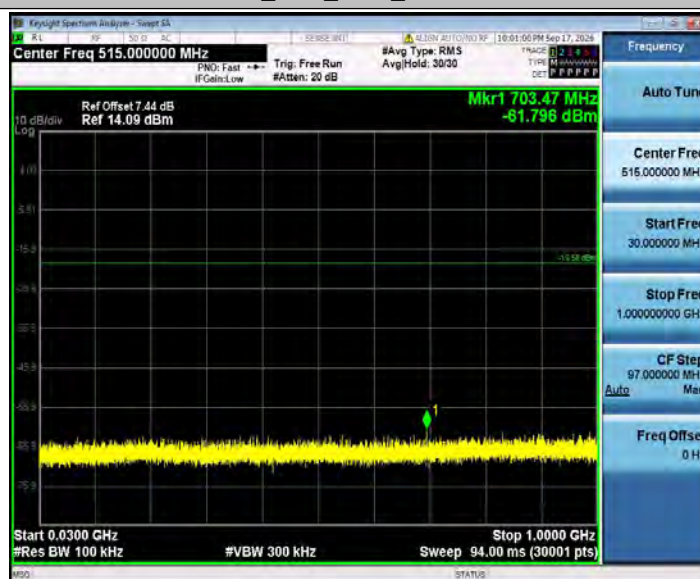
11B_Ant1_2412_1000~26500



11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



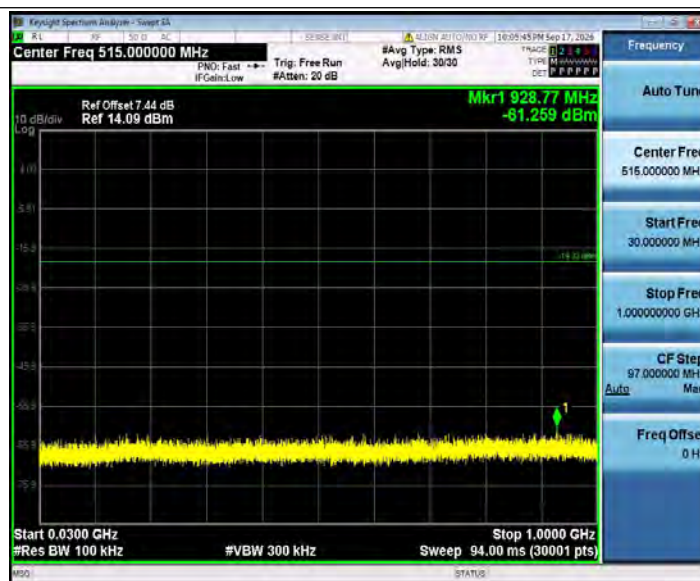
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000

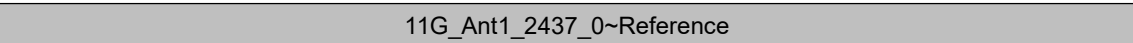
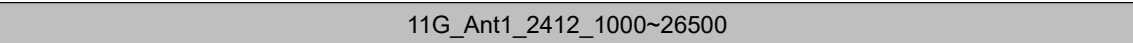


11B_Ant1_2462_1000~26500



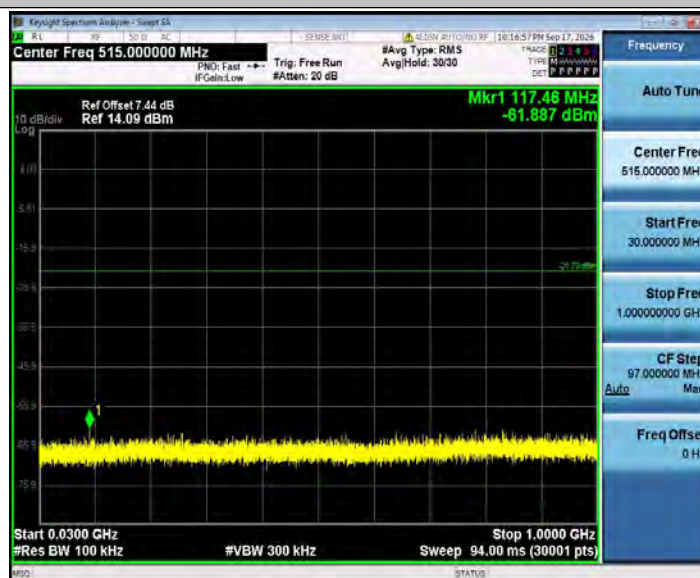
11G_Ant1_2412_0~Reference



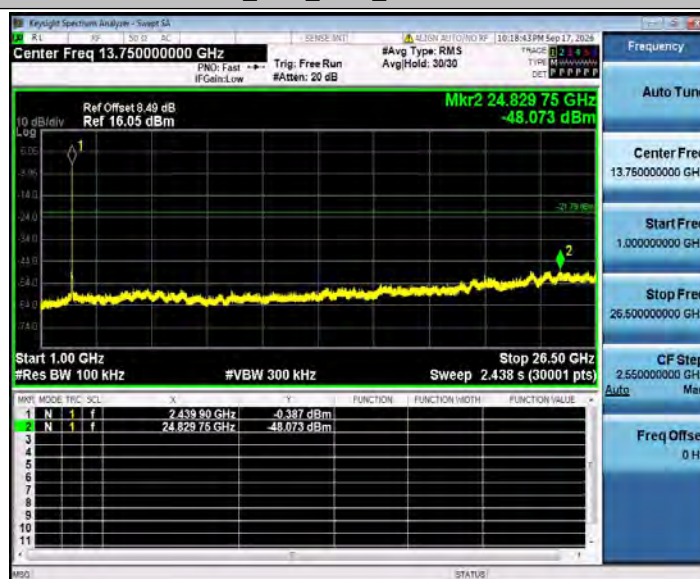




11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500



11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



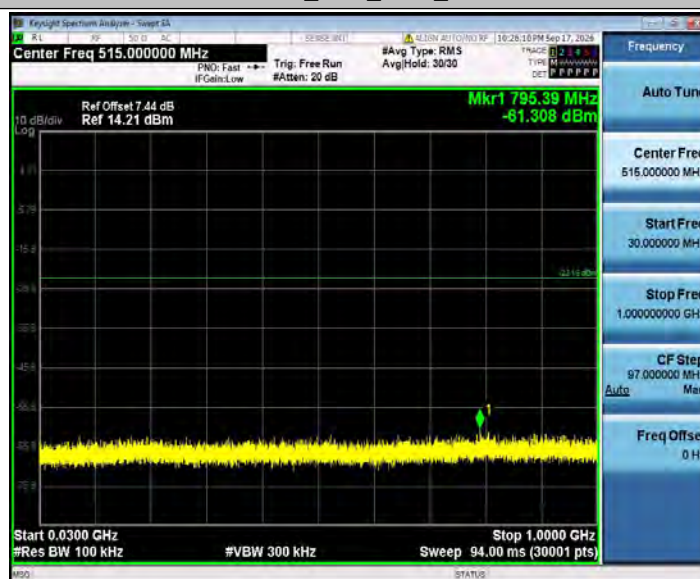
11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



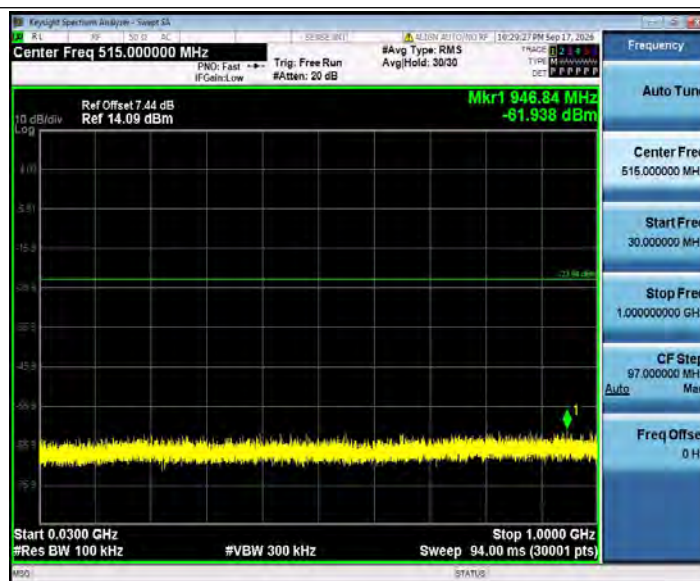
11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000

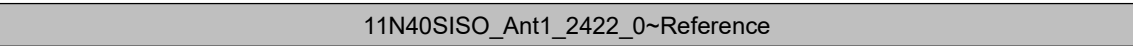
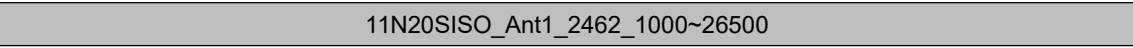


11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



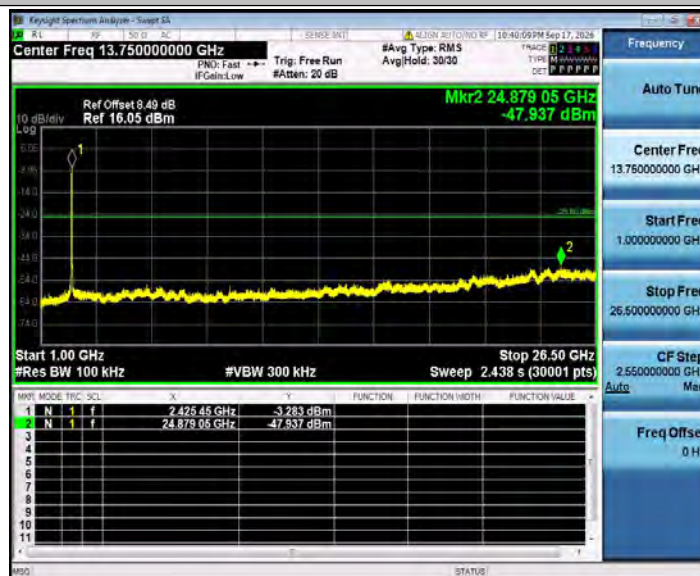




11N40SISO_Ant1_2422_30~1000



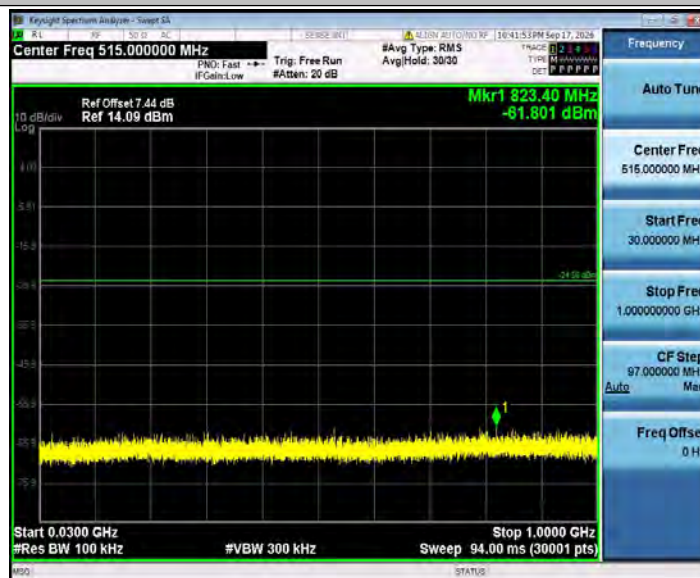
11N40SISO_Ant1_2422_1000~26500



11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_30~1000



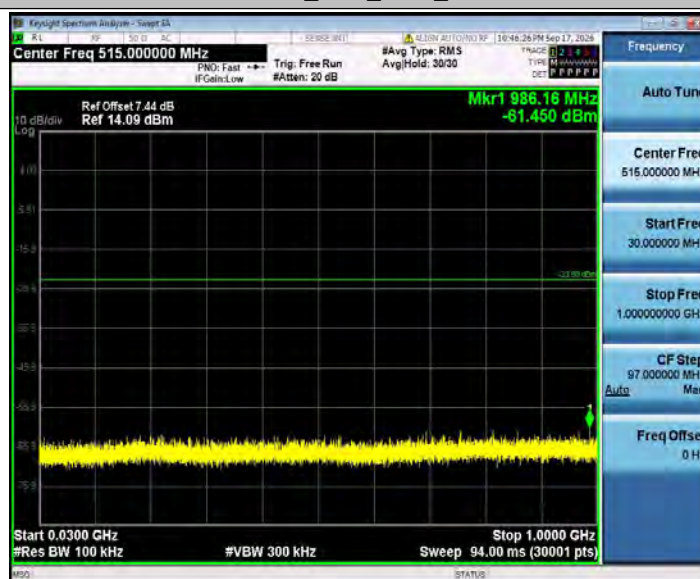
11N40SISO_Ant1_2437_1000~26500

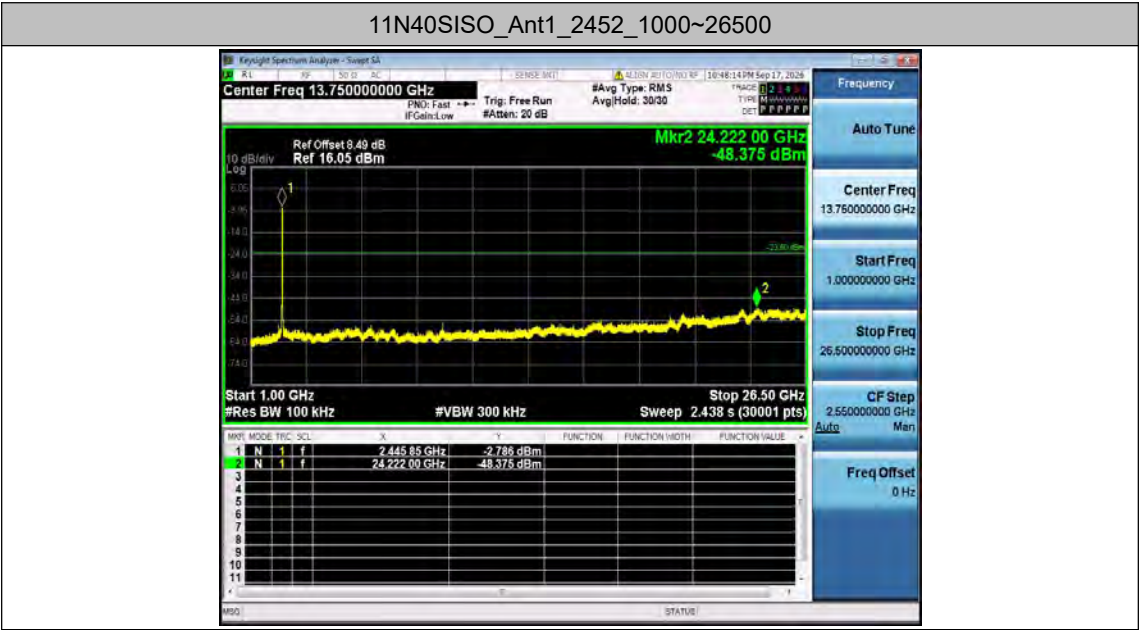


11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



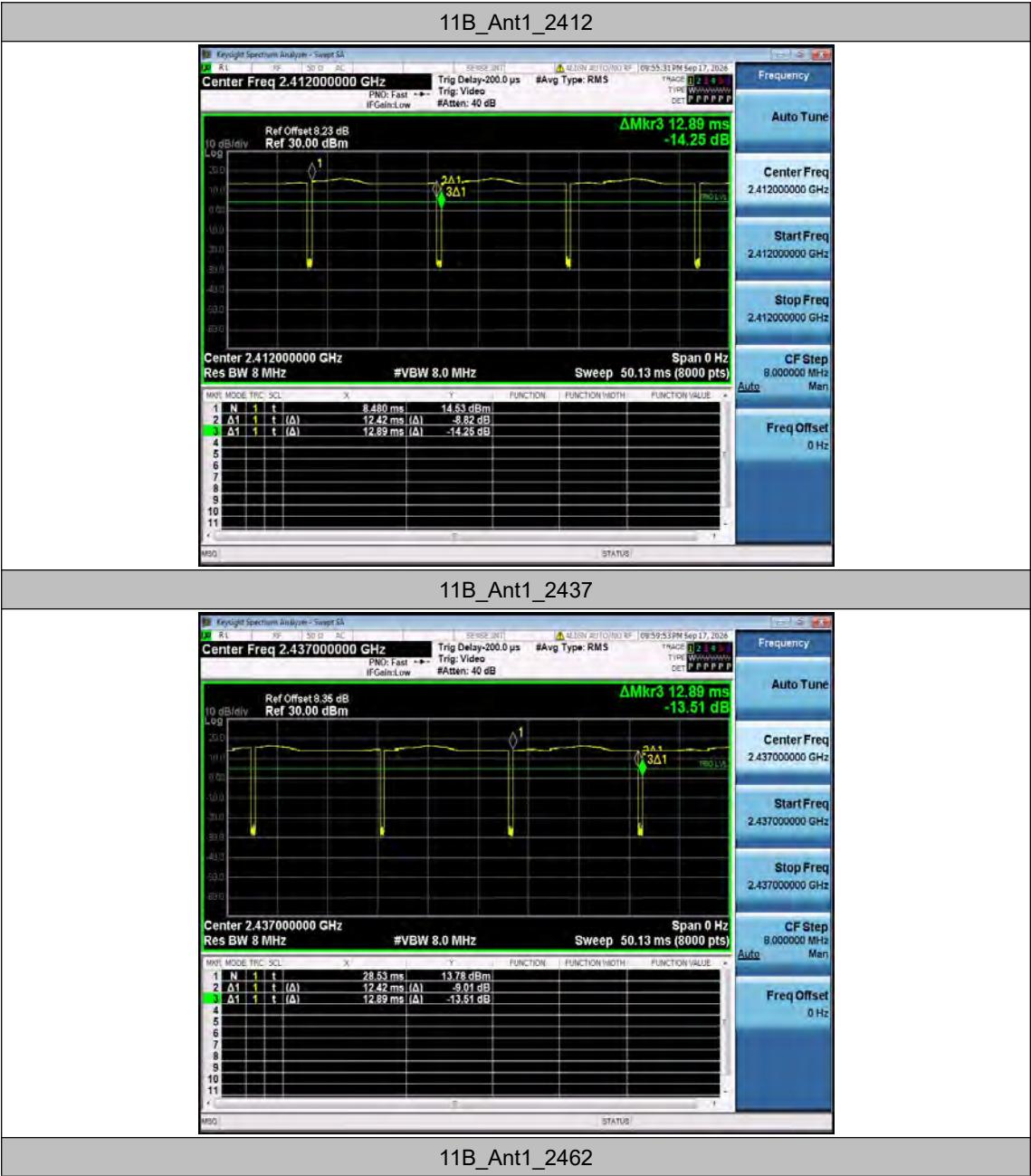


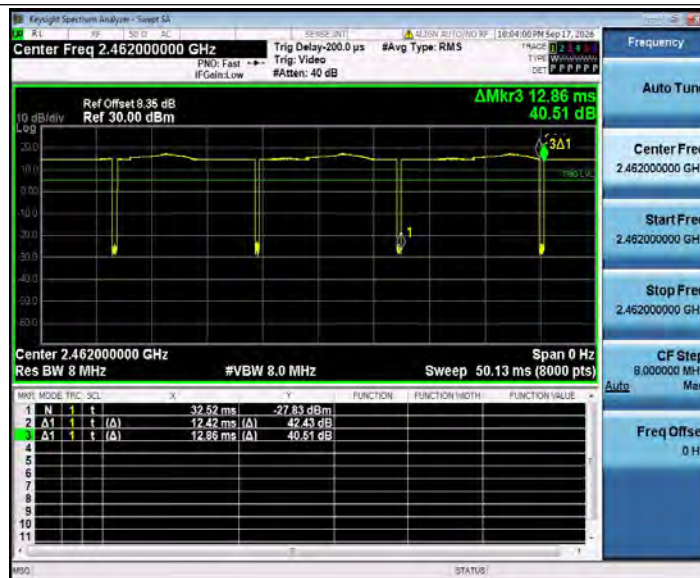
Appendix A.7: Duty Cycle

Test Result

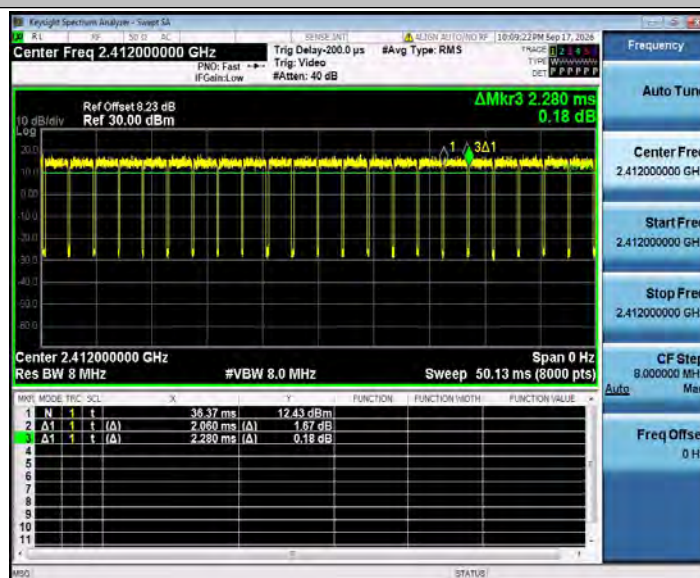
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11B	Ant1	2412	12.42	12.89	96.35	0.16	0.08
		2437	12.42	12.89	96.35	0.16	0.08
		2462	12.42	12.86	96.58	0.15	0.08
11G	Ant1	2412	2.06	2.28	90.35	0.44	0.49
		2437	2.07	2.35	88.09	0.55	0.48
		2462	2.06	2.27	90.75	0.42	0.49
11N20SISO	Ant1	2412	1.92	2.15	89.30	0.49	0.52
		2437	1.92	2.13	90.14	0.45	0.52
		2462	1.92	2.15	89.30	0.49	0.52
11N40SISO	Ant1	2422	0.94	1.17	80.34	0.95	1.06
		2437	0.94	1.17	80.34	0.95	1.06
		2452	0.94	1.17	80.34	0.95	1.06

Test Graphs

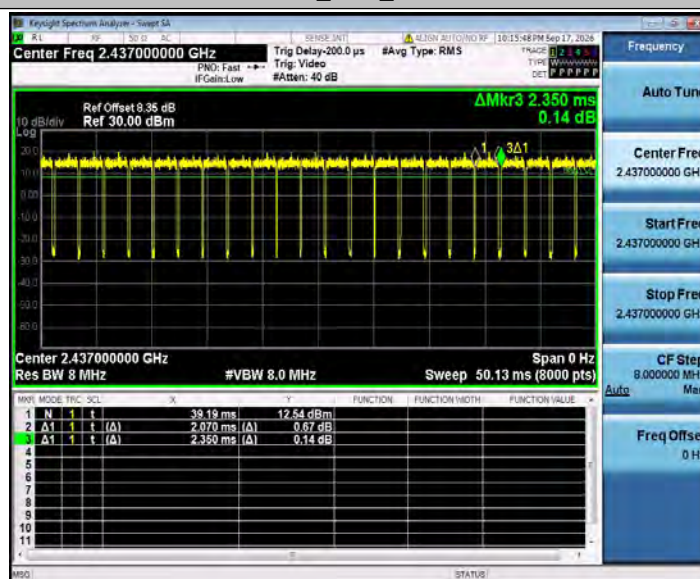




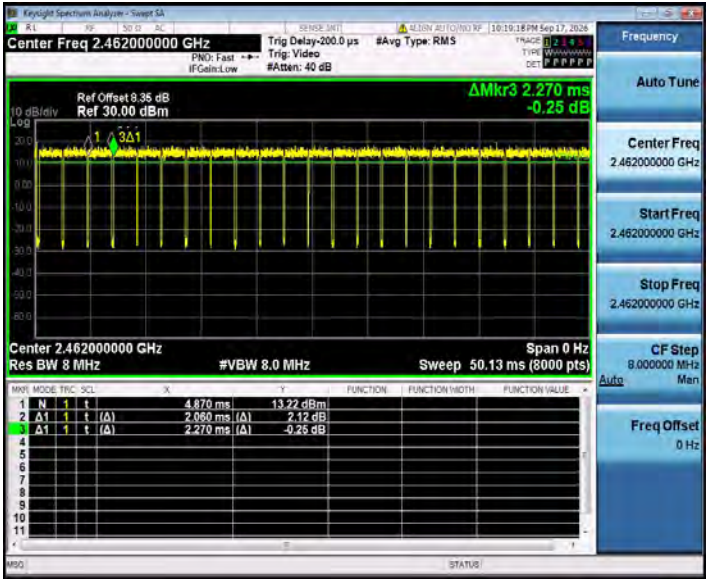
11G_Ant1_2412



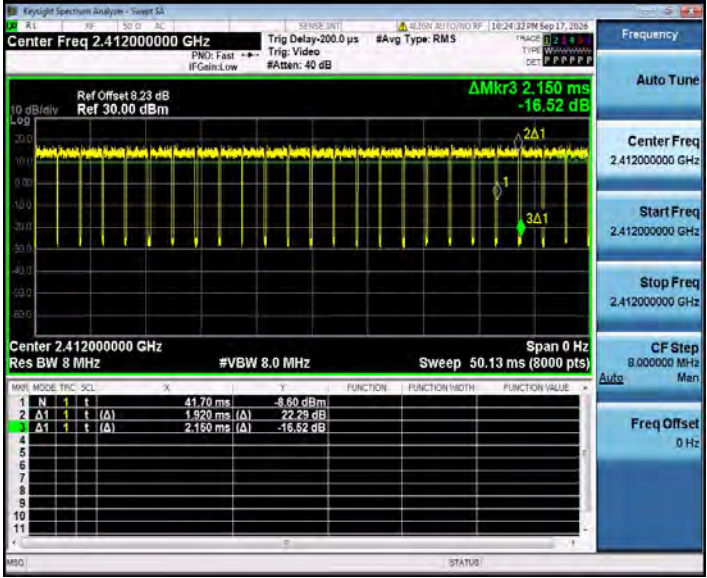
11G_Ant1_2437



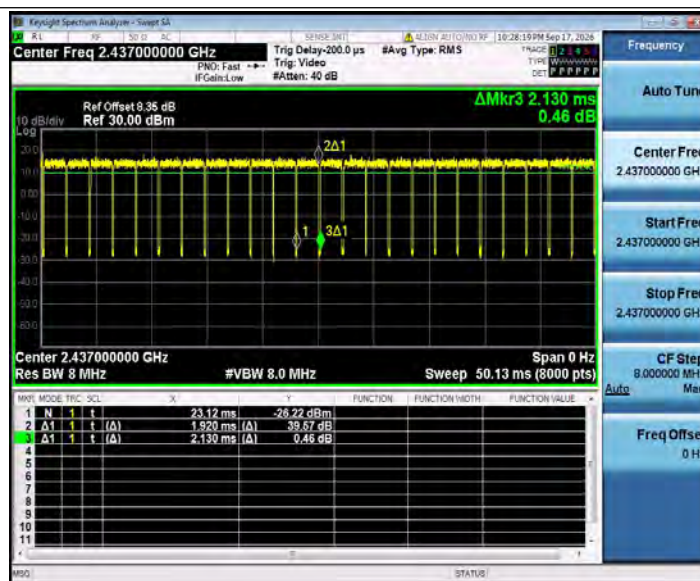
11G_Ant1_2462



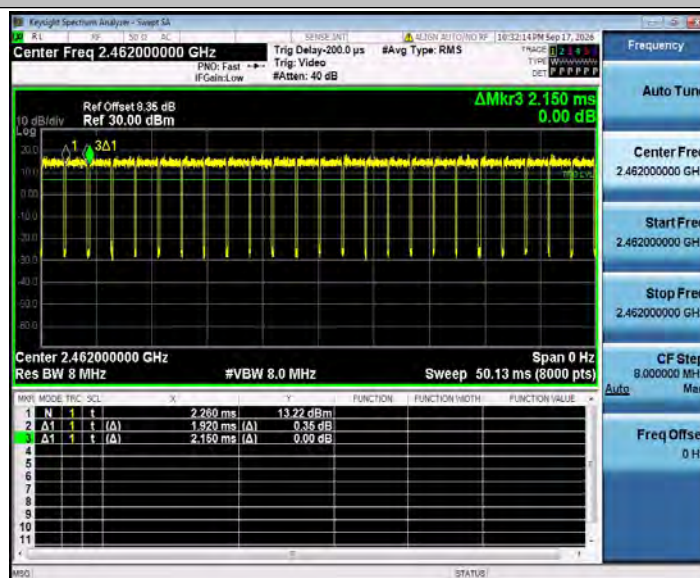
11N20SISO_Ant1_2412



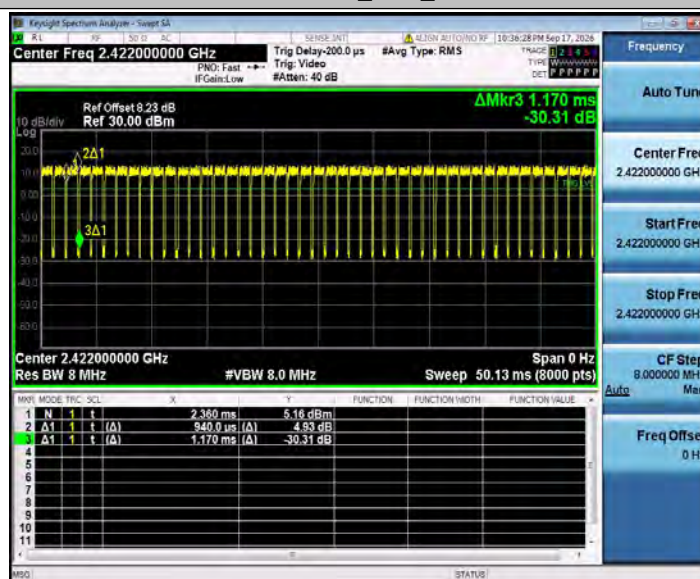
11N20SISO_Ant1_2437



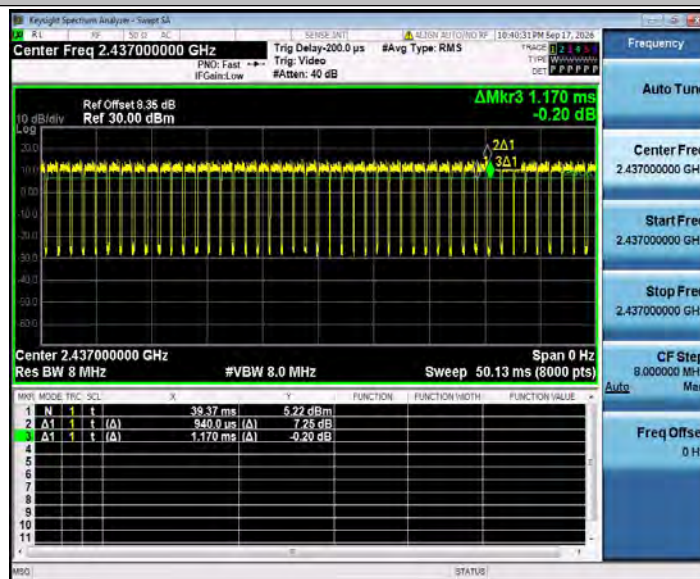
11N20SISO_Ant1_2462



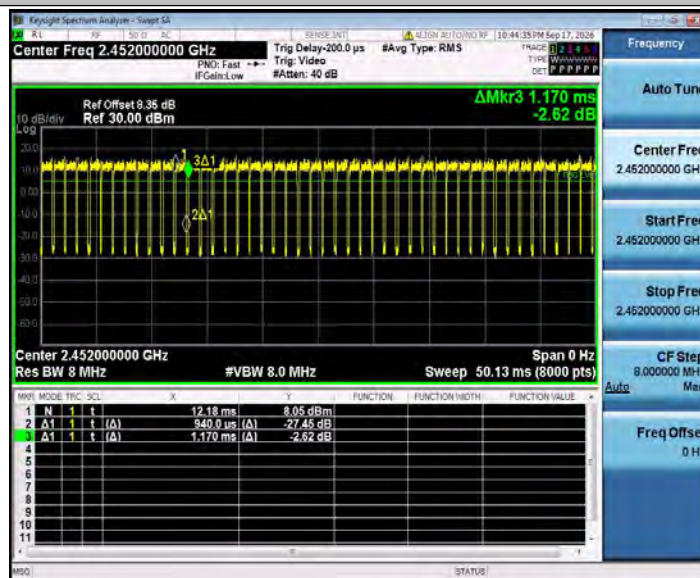
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix A.8: Emissions in Restricted Bands

Test Result

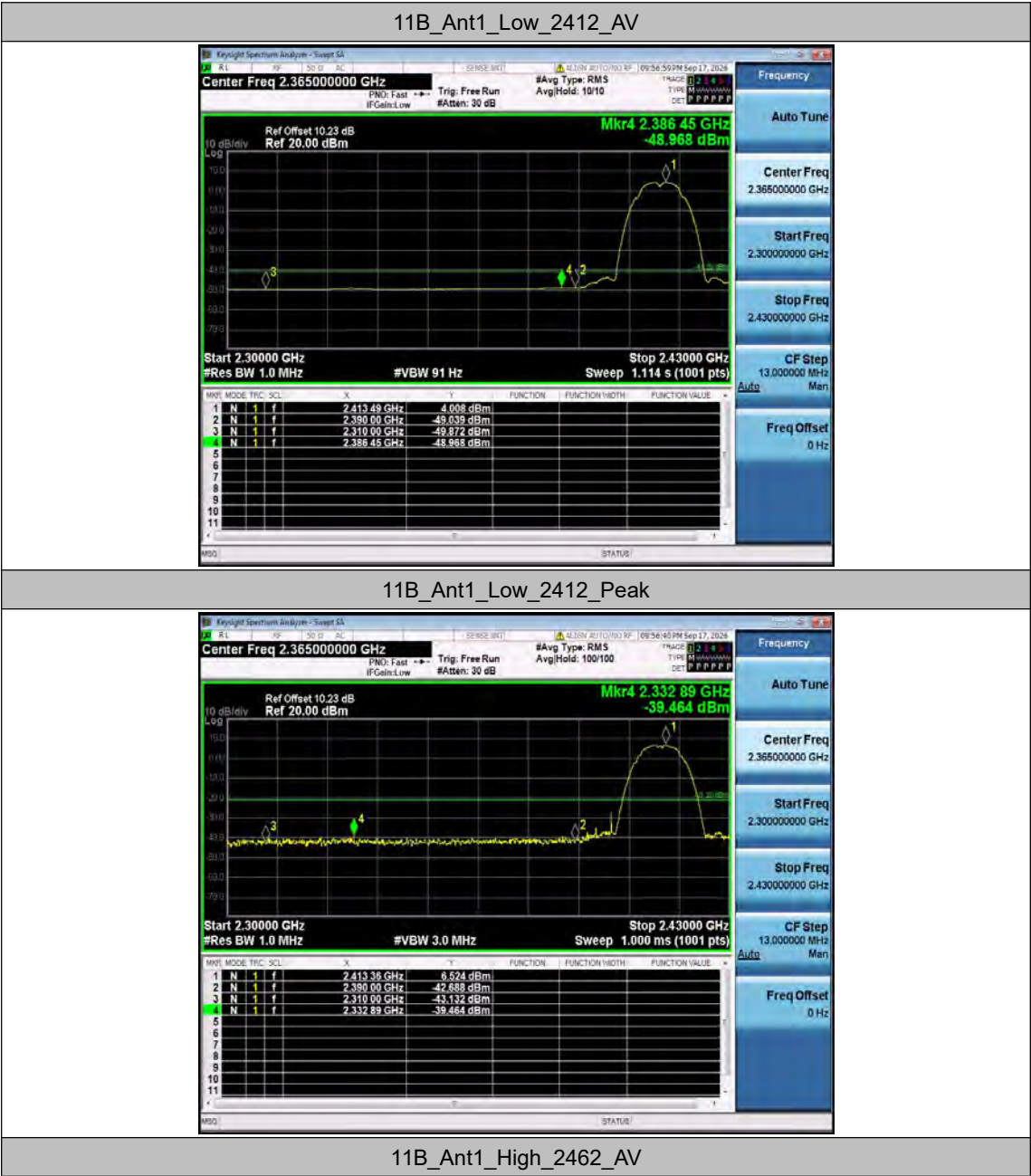
TestMode	Antenna	ChName	Frequency [MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11B	Ant1	Low	2412	AV	2310.000	-49.87	≤-41.20	45.33	≤54	PASS
				AV	2386.450	-48.97	≤-41.20	46.23	≤54	PASS
				AV	2390.000	-49.04	≤-41.20	46.16	≤54	PASS
				Peak	2310.000	-43.13	≤-21.20	52.07	≤74	PASS
				Peak	2332.890	-39.46	≤-21.20	55.74	≤74	PASS
				Peak	2390.000	-42.69	≤-21.20	52.51	≤74	PASS
		High	2462	AV	2483.500	-49.05	≤-41.20	46.15	≤54	PASS
				AV	2487.850	-48.84	≤-41.20	46.36	≤54	PASS
				AV	2500.000	-49.11	≤-41.20	46.09	≤54	PASS
				Peak	2483.500	-40.81	≤-21.20	54.39	≤74	PASS
				Peak	2494.230	-39.26	≤-21.20	55.94	≤74	PASS
				Peak	2500.000	-43.19	≤-21.20	52.01	≤74	PASS
11G	Ant1	Low	2412	AV	2310.000	-49.85	≤-41.20	45.35	≤54	PASS
				AV	2389.960	-48.15	≤-41.20	47.05	≤54	PASS
				AV	2390.000	-48.15	≤-41.20	47.05	≤54	PASS
				Peak	2310.000	-42.82	≤-21.20	52.38	≤74	PASS
				Peak	2389.960	-37.48	≤-21.20	57.72	≤74	PASS
				Peak	2390.000	-37.48	≤-21.20	57.72	≤74	PASS
		High	2462	AV	2483.500	-48.52	≤-41.20	46.68	≤54	PASS
				AV	2483.890	-48.49	≤-41.20	46.71	≤54	PASS
				AV	2500.000	-48.8	≤-41.20	46.40	≤54	PASS
				Peak	2483.500	-41.99	≤-21.20	53.21	≤74	PASS
				Peak	2486.530	-35.39	≤-21.20	59.81	≤74	PASS
				Peak	2500.000	-40.89	≤-21.20	54.31	≤74	PASS
11N20SISO	Ant1	Low	2412	AV	2310.000	-50	≤-41.20	45.20	≤54	PASS
				AV	2389.440	-47.87	≤-41.20	47.33	≤54	PASS
				AV	2390.000	-47.96	≤-41.20	47.24	≤54	PASS
				Peak	2310.000	-42.78	≤-21.20	52.42	≤74	PASS
				Peak	2383.070	-38.69	≤-21.20	56.51	≤74	PASS
				Peak	2390.000	-42.71	≤-21.20	52.49	≤74	PASS
		High	2462	AV	2483.500	-48.49	≤-41.20	46.71	≤54	PASS
				AV	2483.560	-48.43	≤-41.20	46.77	≤54	PASS
				AV	2500.000	-48.86	≤-41.20	46.34	≤54	PASS
				Peak	2483.500	-41.03	≤-21.20	54.17	≤74	PASS
				Peak	2484.220	-36.1	≤-21.20	59.10	≤74	PASS
				Peak	2500.000	-42.49	≤-21.20	52.71	≤74	PASS
11N40SIS	Ant1	Low	2422	AV	2310.000	-49.39	≤-41.20	45.81	≤54	PASS

O				AV	2388.950	-46.56	≤ -41.20	48.64	≤ 54	PASS
				AV	2390.000	-46.65	≤ -41.20	48.55	≤ 54	PASS
				Peak	2310.000	-42.07	≤ -21.20	53.13	≤ 74	PASS
				Peak	2379.200	-35.15	≤ -21.20	60.05	≤ 74	PASS
				Peak	2390.000	-40.11	≤ -21.20	55.09	≤ 74	PASS
		High	2452	AV	2483.500	-47.61	≤ -41.20	47.59	≤ 54	PASS
				AV	2483.875	-47.39	≤ -41.20	47.81	≤ 54	PASS
				AV	2500.000	-48.54	≤ -41.20	46.66	≤ 54	PASS
				Peak	2483.500	-40.45	≤ -21.20	54.75	≤ 74	PASS
				Peak	2490.500	-37.08	≤ -21.20	58.12	≤ 74	PASS
				Peak	2500.000	-39.76	≤ -21.20	55.44	≤ 74	PASS

Note:

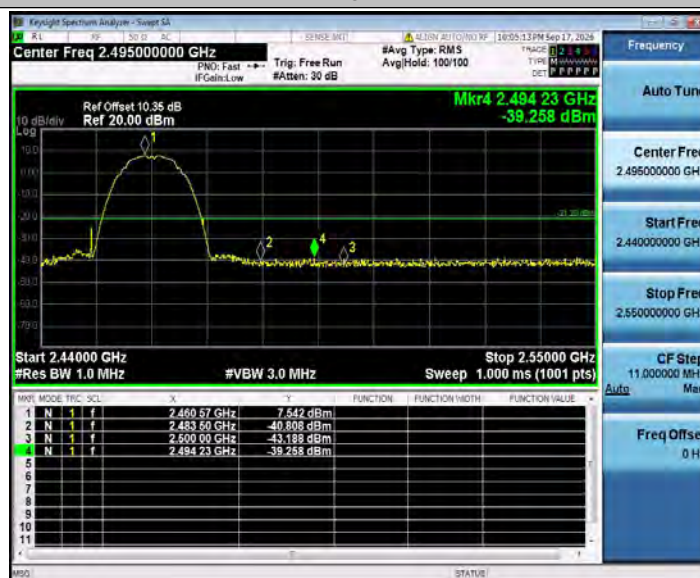
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs





11B_Ant1_High_2462_Peak



11G_Ant1_Low_2412_AV



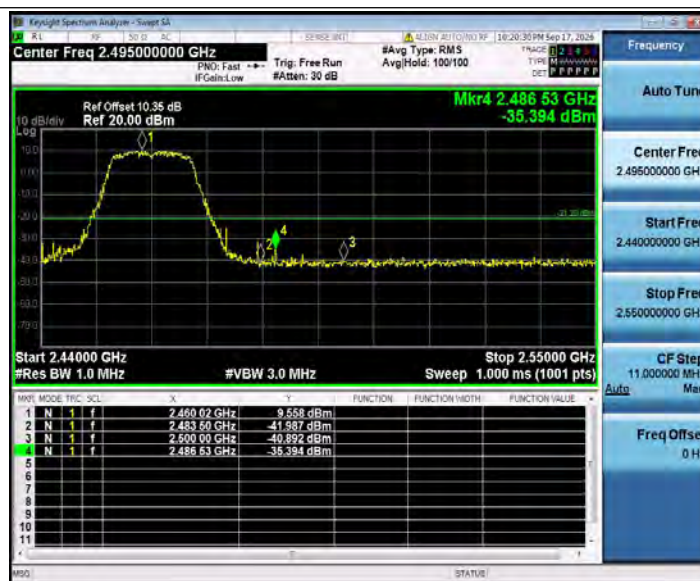
11G_Ant1_Low_2412_Peak



11G_Ant1_High_2462_AV



11G_Ant1_High_2462_Peak



11N20SISO_Ant1_Low_2412_AV



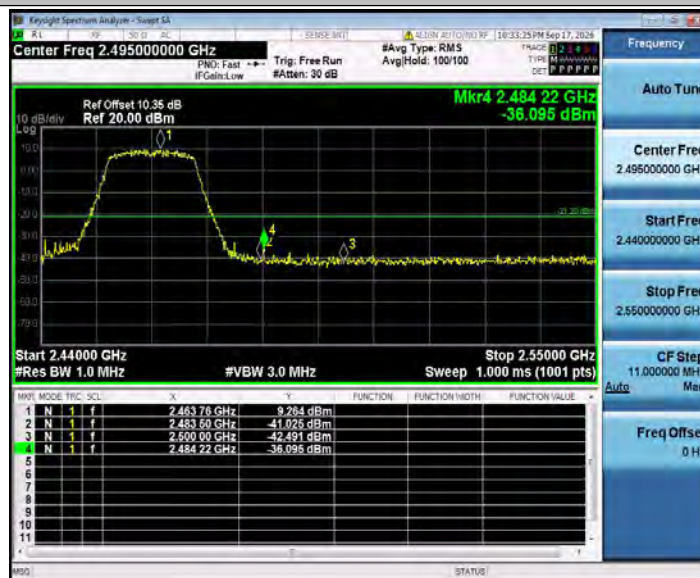
11N20SISO_Ant1_Low_2412_Peak



11N20SISO_Ant1_High_2462_AV



11N20SISO_Ant1_High_2462_Peak



11N40SISO_Ant1_Low_2422_AV



11N40SISO_Ant1_Low_2422_Peak



11N40SISO_Ant1_High_2452_AV



