

Case No. : <u>GTS20260821017-1-01</u>	
Ambient Condition: <u>23</u> °C, <u>51</u> %RH,	
Test Date: <u>2026.8.27-2026.9.14</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	8.240	2407.880	2416.120	0.5	PASS
		2437	8.200	2432.960	2441.160	0.5	PASS
		2462	8.640	2457.440	2466.080	0.5	PASS
11G	Ant1	2412	15.880	2404.120	2420.000	0.5	PASS
		2437	15.800	2429.000	2444.800	0.5	PASS
		2462	16.320	2453.720	2470.040	0.5	PASS
11N20SISO	Ant1	2412	16.960	2403.680	2420.640	0.5	PASS
		2437	17.120	2428.480	2445.600	0.5	PASS
		2462	17.440	2453.200	2470.640	0.5	PASS
11N40SISO	Ant1	2422	36.080	2404.080	2440.160	0.5	PASS
		2437	31.520	2419.800	2451.320	0.5	PASS
		2452	28.720	2434.240	2462.960	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

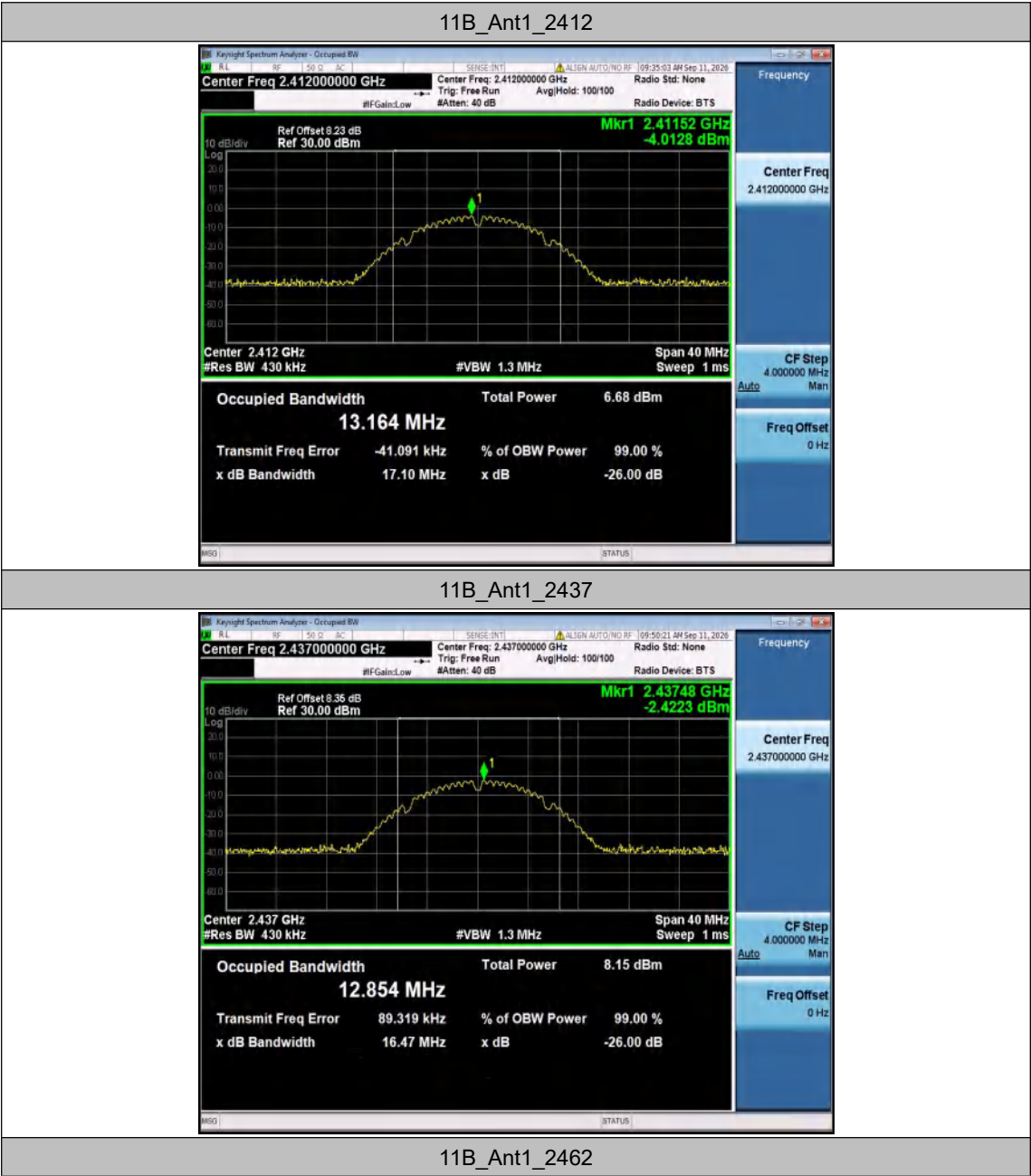


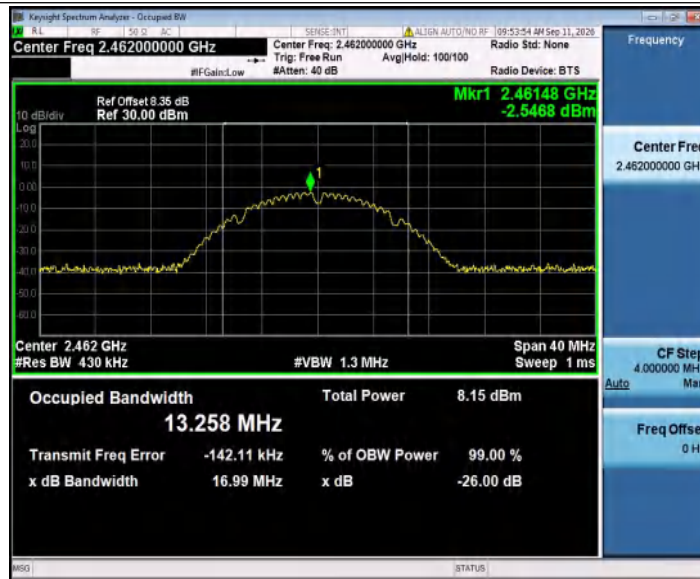
Appendix A.2: Occupied Channel Bandwidth

Test Result

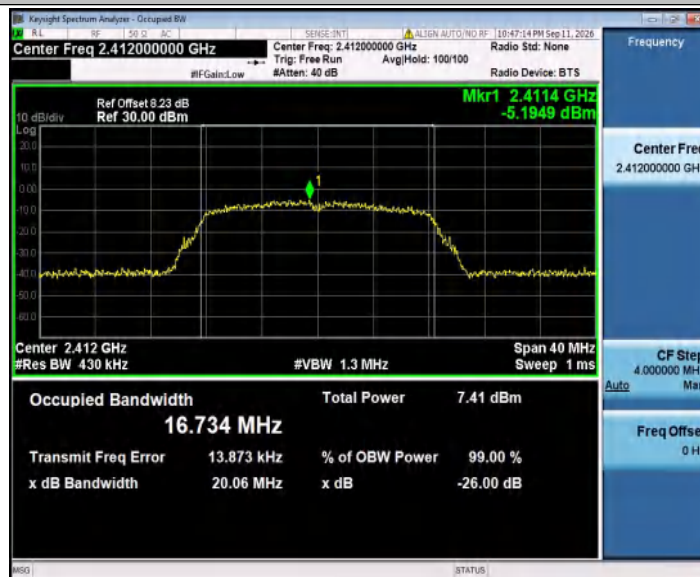
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.164	2405.3769	2418.5409	---	---
		2437	12.854	2430.6623	2443.5163	---	---
		2462	13.258	2455.2289	2468.4869	---	---
11G	Ant1	2412	16.734	2403.6469	2420.3809	---	---
		2437	16.828	2428.5790	2445.4070	---	---
		2462	17.017	2453.3775	2470.3945	---	---
11N20SISO	Ant1	2412	17.731	2403.1449	2420.8759	---	---
		2437	17.834	2428.0681	2445.9021	---	---
		2462	17.986	2452.9386	2470.9246	---	---
11N40SISO	Ant1	2422	36.523	2403.7721	2440.2951	---	---
		2437	35.994	2418.9043	2454.8983	---	---
		2452	36.072	2433.8092	2469.8812	---	---

Test Graphs

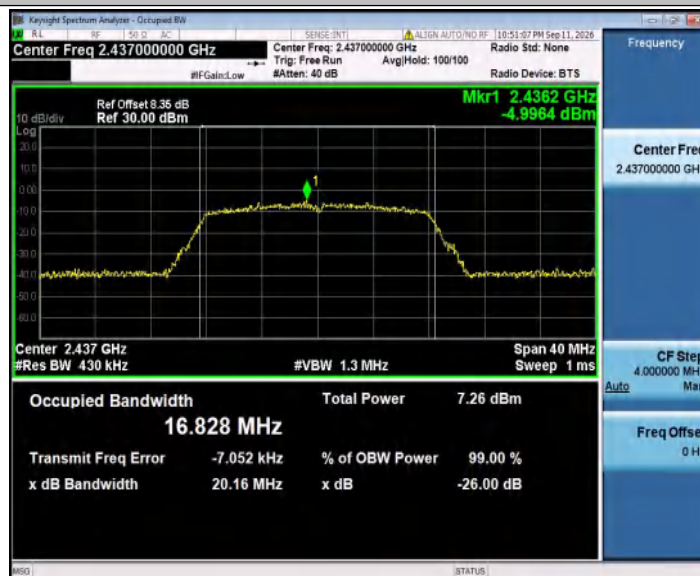




11G_Ant1_2412



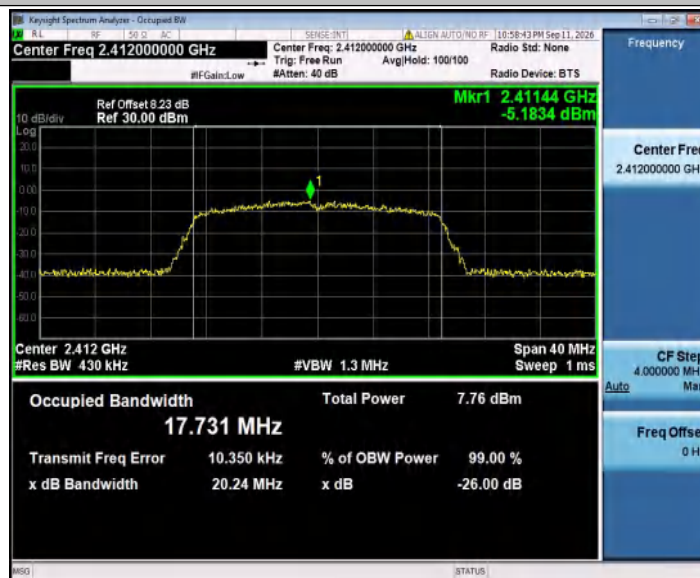
11G_Ant1_2437



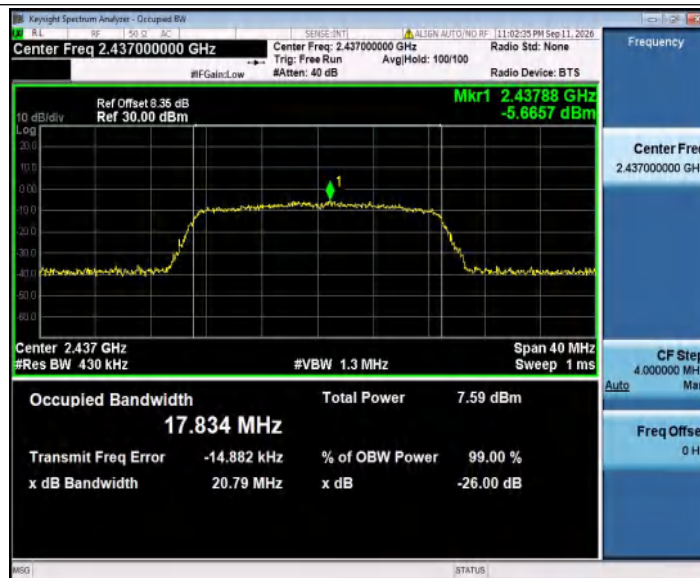
11G_Ant1_2462



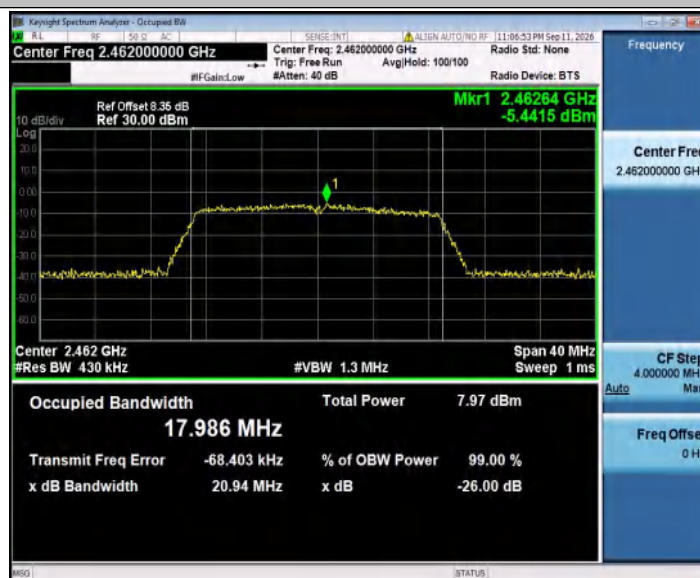
11N20SISO_Ant1_2412



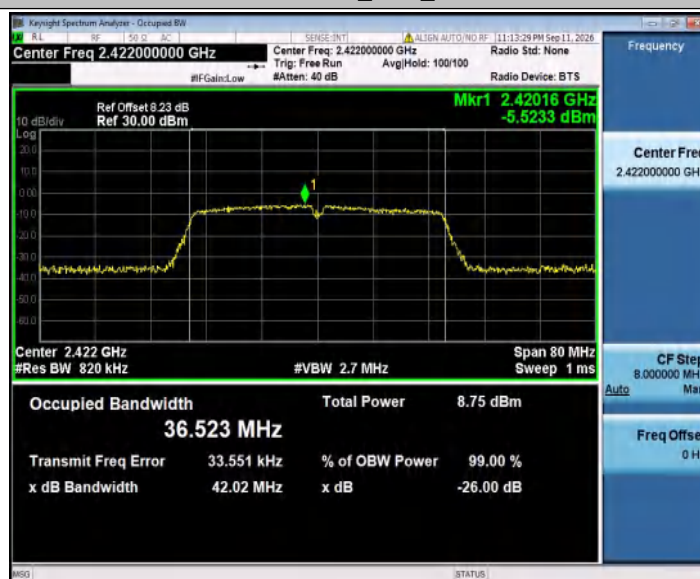
11N20SISO_Ant1_2437



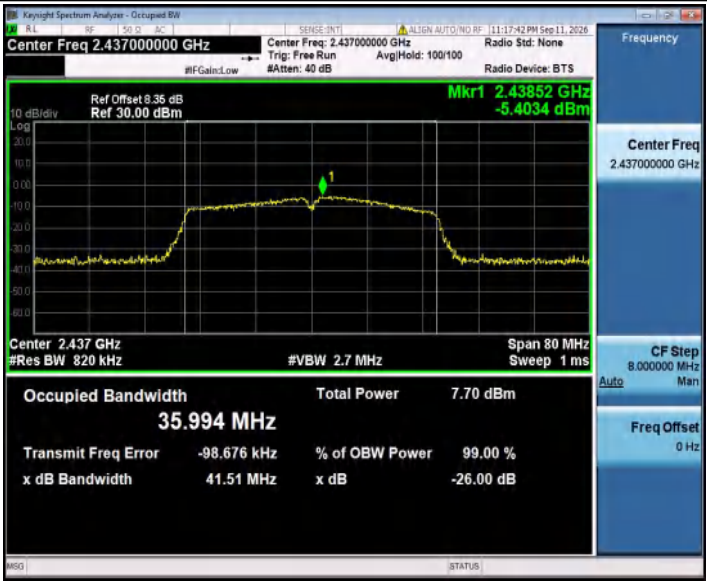
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix A.3: Maximum conducted output power

Test Result

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	6.70	≤30.00	PASS
		2437	8.10	≤30.00	PASS
		2462	8.24	≤30.00	PASS
11G	Ant1	2412	8.57	≤30.00	PASS
		2437	8.51	≤30.00	PASS
		2462	8.61	≤30.00	PASS
11N20SISO	Ant1	2412	8.58	≤30.00	PASS
		2437	8.46	≤30.00	PASS
		2462	8.32	≤30.00	PASS
11N40SISO	Ant1	2422	8.51	≤30.00	PASS
		2437	8.01	≤30.00	PASS
		2452	7.81	≤30.00	PASS

Appendix A.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-18.60	≤8.00	PASS
		2437	-17.32	≤8.00	PASS
		2462	-17.61	≤8.00	PASS
11G	Ant1	2412	-22.67	≤8.00	PASS
		2437	-23.63	≤8.00	PASS
		2462	-23.20	≤8.00	PASS
11N20SISO	Ant1	2412	-21.67	≤8.00	PASS
		2437	-23.54	≤8.00	PASS
		2462	-24.49	≤8.00	PASS
11N40SISO	Ant1	2422	-25.21	≤8.00	PASS
		2437	-25.79	≤8.00	PASS
		2452	-26.54	≤8.00	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



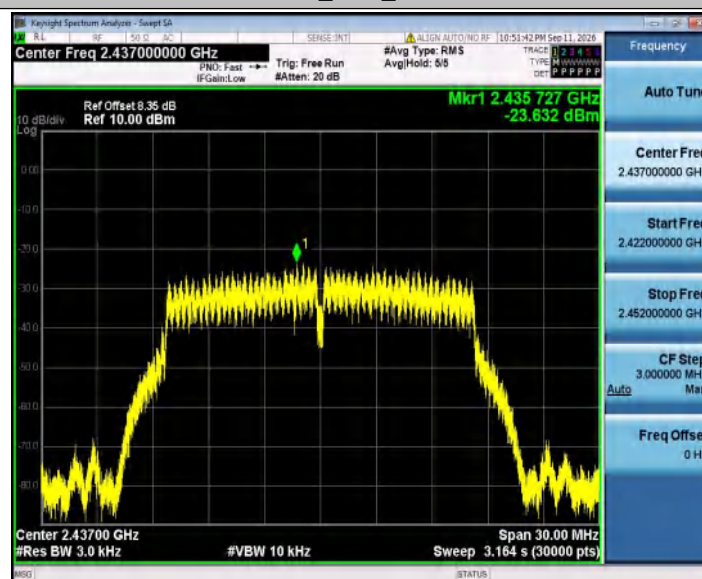
11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



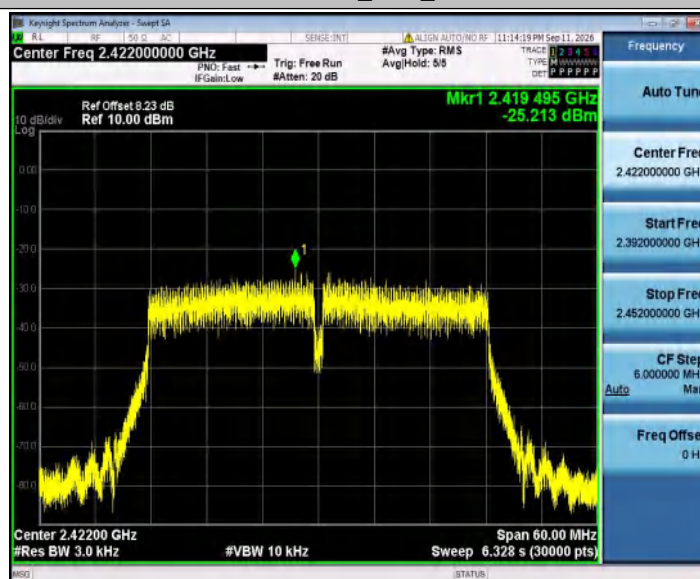
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



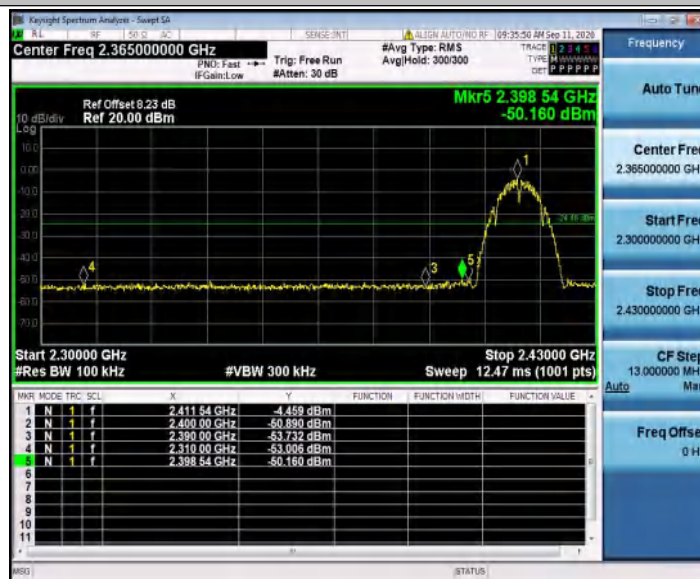
Appendix A.5: Band edge measurements

Test Result

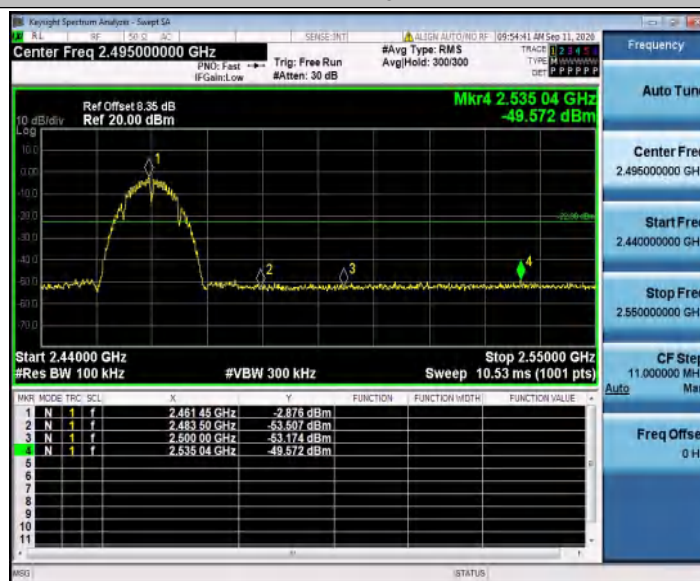
TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-4.46	-50.16	≤-24.46	PASS
		High	2462	-2.88	-49.57	≤-22.88	PASS
11G	Ant1	Low	2412	-8.46	-50.67	≤-28.46	PASS
		High	2462	-8.62	-49.88	≤-28.62	PASS
11N20SISO	Ant1	Low	2412	-8.99	-49.86	≤-28.99	PASS
		High	2462	-9.59	-49.87	≤-29.59	PASS
11N40SISO	Ant1	Low	2422	-11.40	-49.74	≤-31.4	PASS
		High	2452	-11.34	-50.35	≤-31.34	PASS

Test Graphs

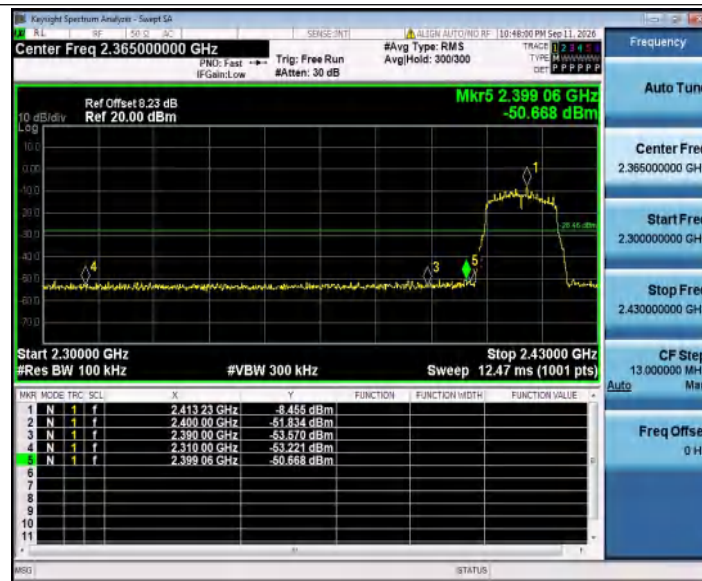
11B_Ant1_Low_2412



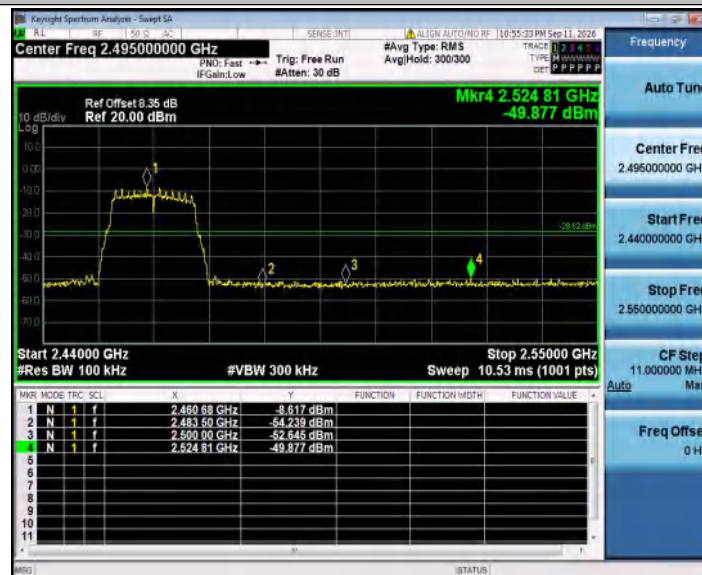
11B_Ant1_High_2462



11G_Ant1_Low_2412



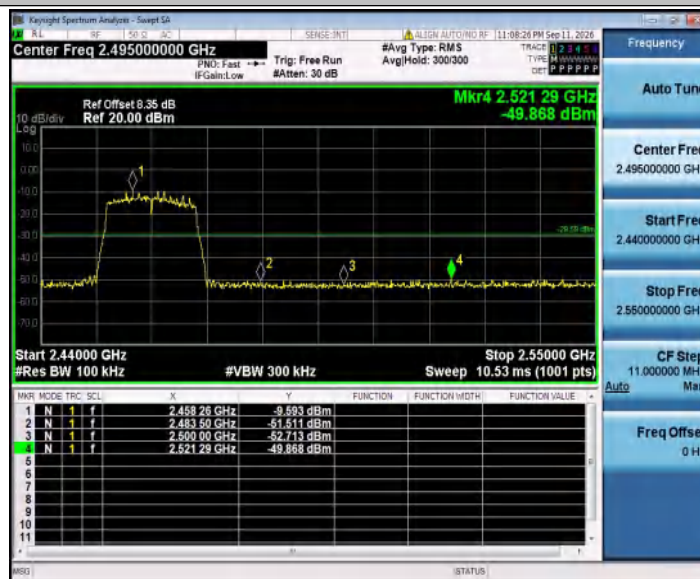
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



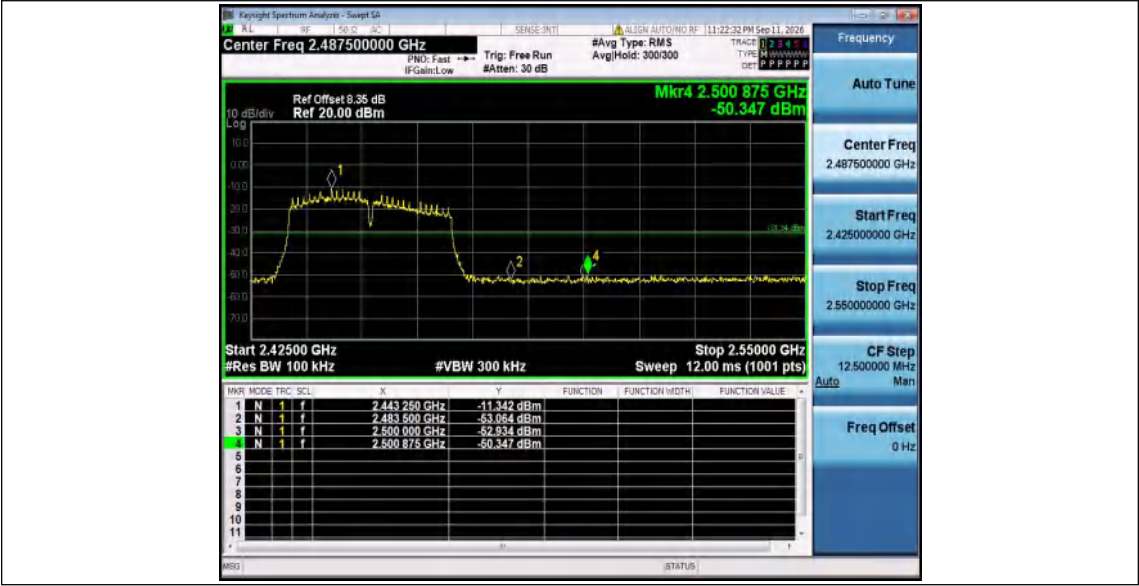
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



Appendix A.6: Conducted Spurious Emission

Test Result

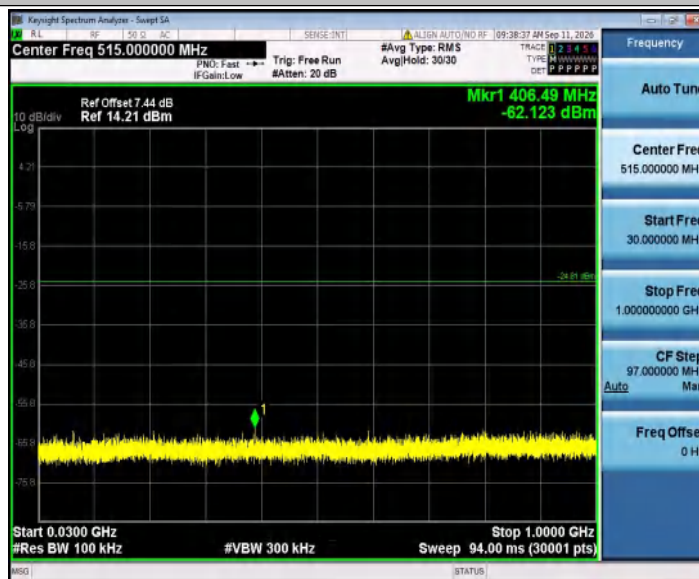
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-4.81	-4.81	---	PASS
			30~1000	-4.81	-62.12	≤-24.81	PASS
			1000~26500	-4.81	-48.16	≤-24.81	PASS
		2437	Reference	-4.21	-4.21	---	PASS
			30~1000	-4.21	-61.66	≤-24.21	PASS
			1000~26500	-4.21	-48.35	≤-24.21	PASS
		2462	Reference	-5.43	-5.43	---	PASS
			30~1000	-5.43	-61.71	≤-25.43	PASS
			1000~26500	-5.43	-47.78	≤-25.43	PASS
11G	Ant1	2412	Reference	-12.05	-12.05	---	PASS
			30~1000	-12.05	-62.55	≤-32.05	PASS
			1000~26500	-12.05	-49.24	≤-32.05	PASS
		2437	Reference	-10.96	-10.96	---	PASS
			30~1000	-10.96	-62.56	≤-30.96	PASS
			1000~26500	-10.96	-49.07	≤-30.96	PASS
		2462	Reference	-11.96	-11.96	---	PASS
			30~1000	-11.96	-62.33	≤-31.96	PASS
			1000~26500	-11.96	-48.52	≤-31.96	PASS
11N20SISO	Ant1	2412	Reference	-11.74	-11.74	---	PASS
			30~1000	-11.74	-61.98	≤-31.74	PASS
			1000~26500	-11.74	-48.06	≤-31.74	PASS
		2437	Reference	-9.55	-9.55	---	PASS
			30~1000	-9.55	-62.23	≤-29.55	PASS
			1000~26500	-9.55	-47.84	≤-29.55	PASS
		2462	Reference	-13.74	-13.74	---	PASS
			30~1000	-13.74	-61.12	≤-33.74	PASS
			1000~26500	-13.74	-47.63	≤-33.74	PASS
11N40SISO	Ant1	2422	Reference	-12.29	-12.29	---	PASS
			30~1000	-12.29	-61.11	≤-32.29	PASS
			1000~26500	-12.29	-48.48	≤-32.29	PASS
		2437	Reference	-11.72	-11.72	---	PASS
			30~1000	-11.72	-62.04	≤-31.72	PASS
			1000~26500	-11.72	-48.18	≤-31.72	PASS
		2452	Reference	-13.37	-13.37	---	PASS
			30~1000	-13.37	-62.02	≤-33.37	PASS
			1000~26500	-13.37	-47.34	≤-33.37	PASS

Test Graphs

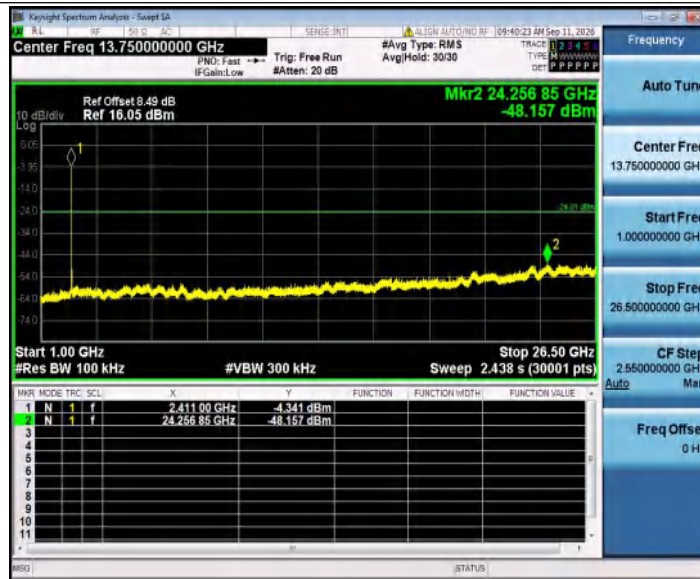
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



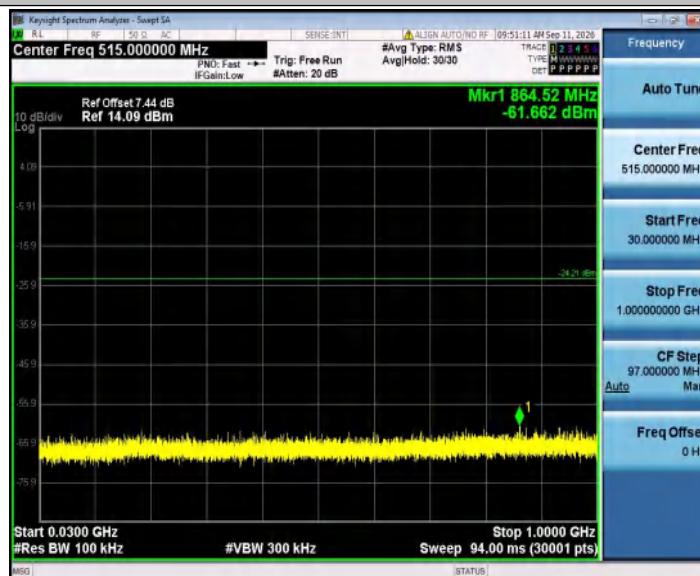
11B_Ant1_2412_1000~26500



11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



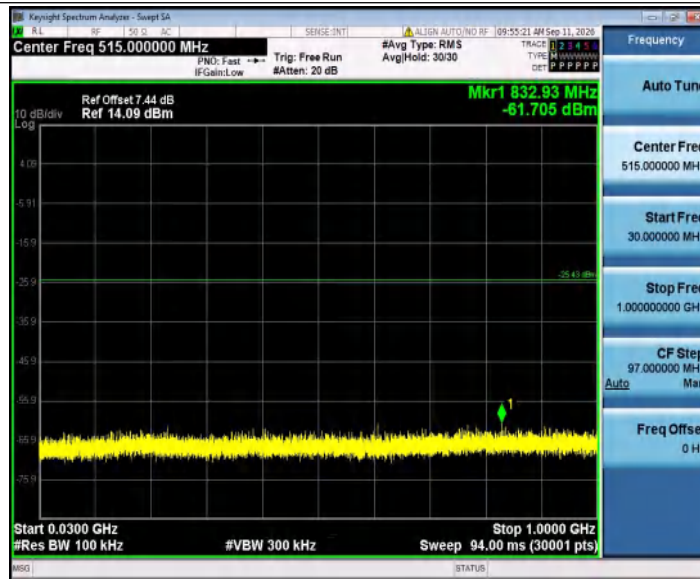
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



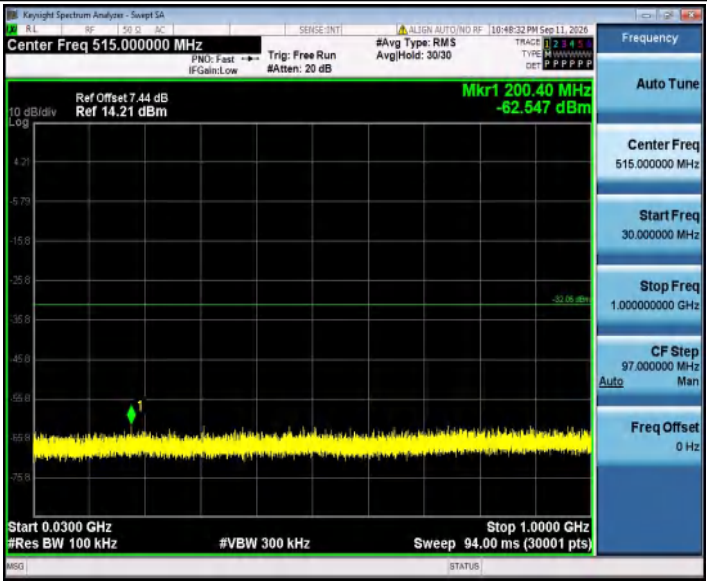
11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



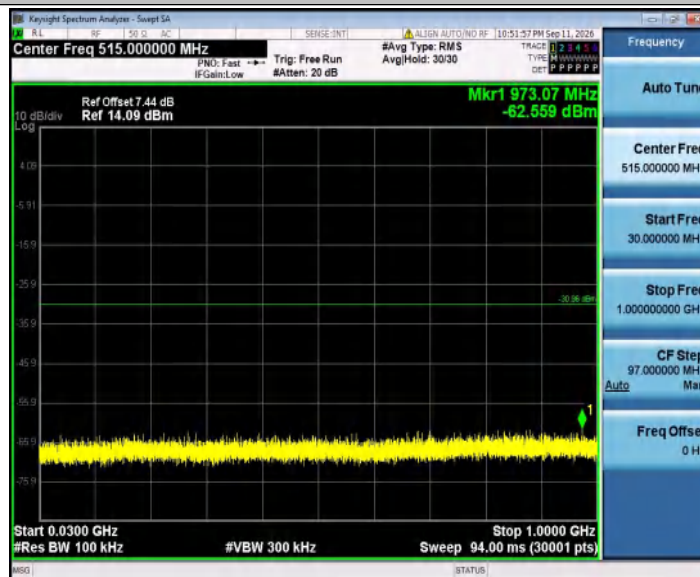
11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500



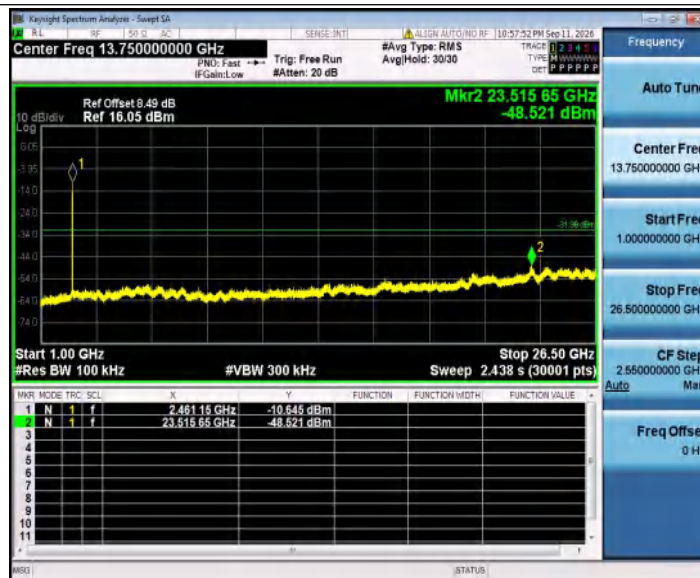
11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



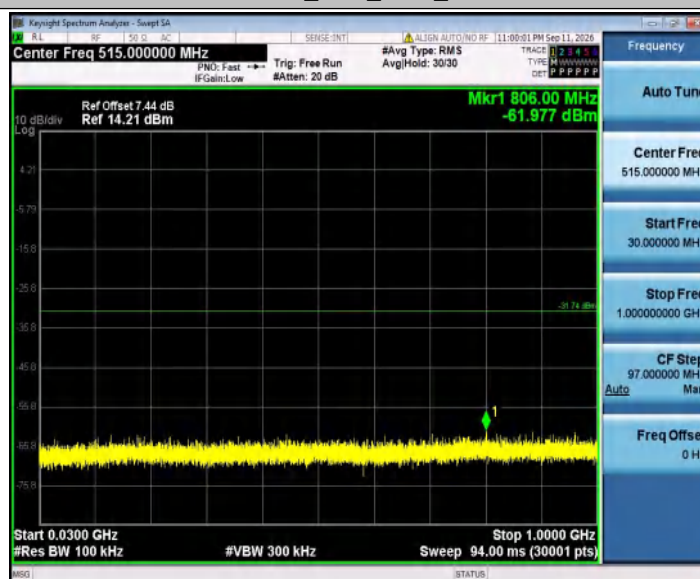
11G_Ant1_2462_1000~26500



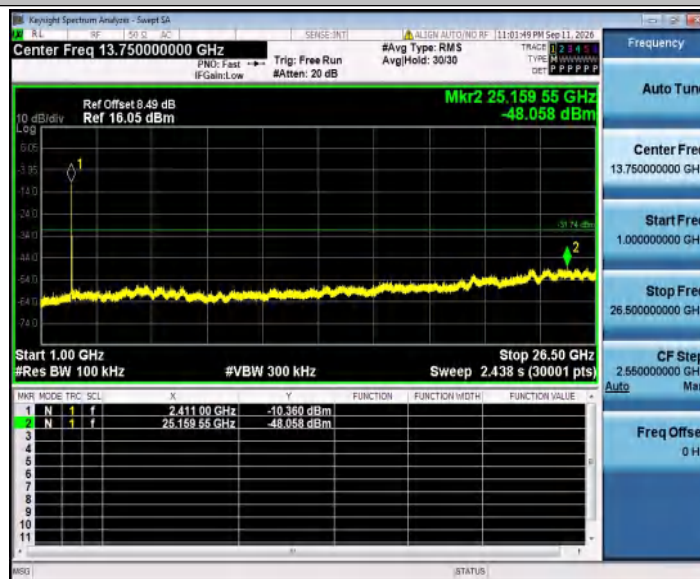
11N20ISO_Ant1_2412_0~Reference



11N20ISO_Ant1_2412_30~1000



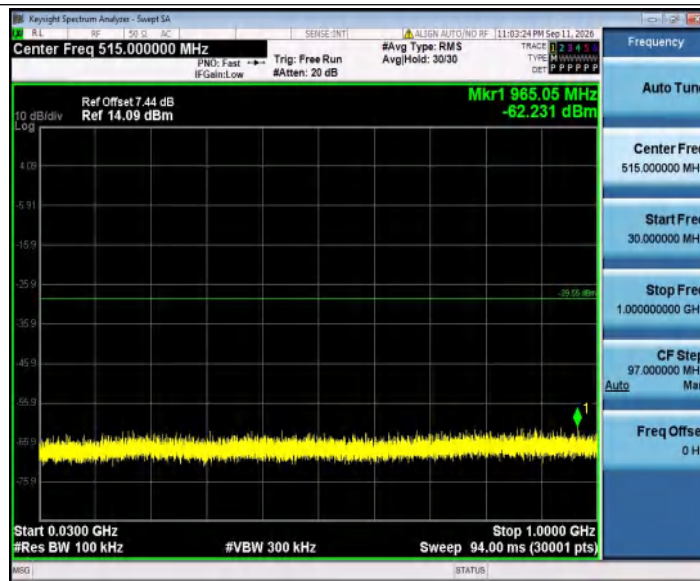
11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



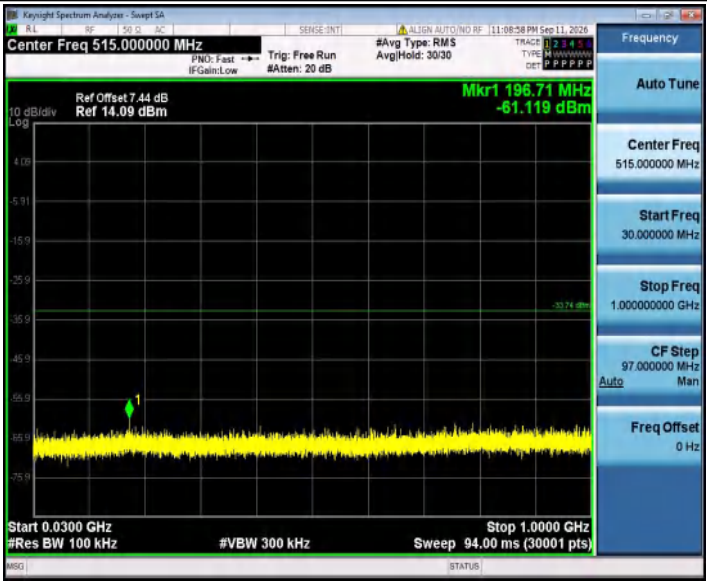
11N20SISO_Ant1_2437_1000~26500



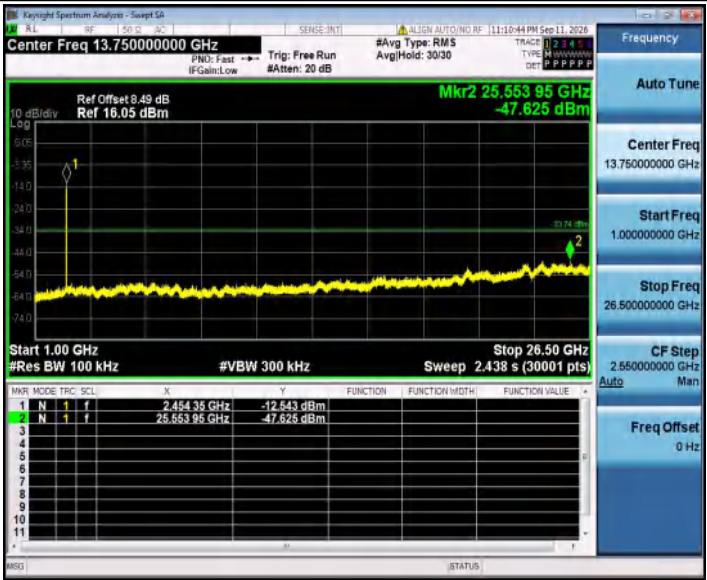
11N20SISO_Ant1_2462_0~Reference



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



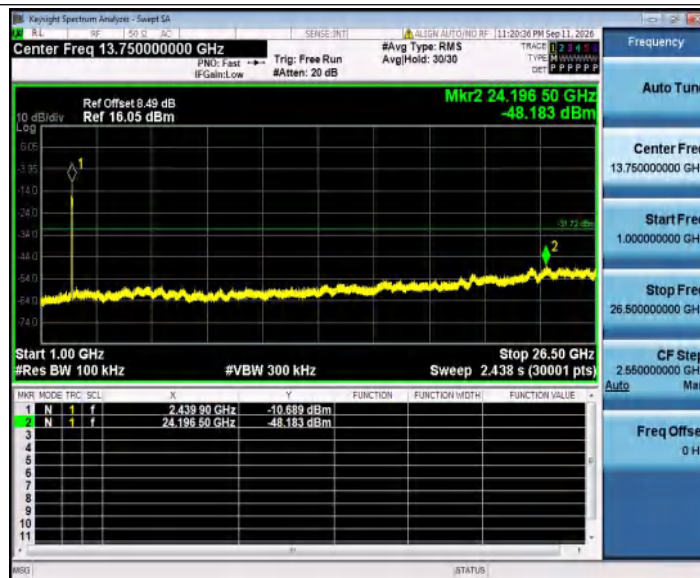
11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_30~1000



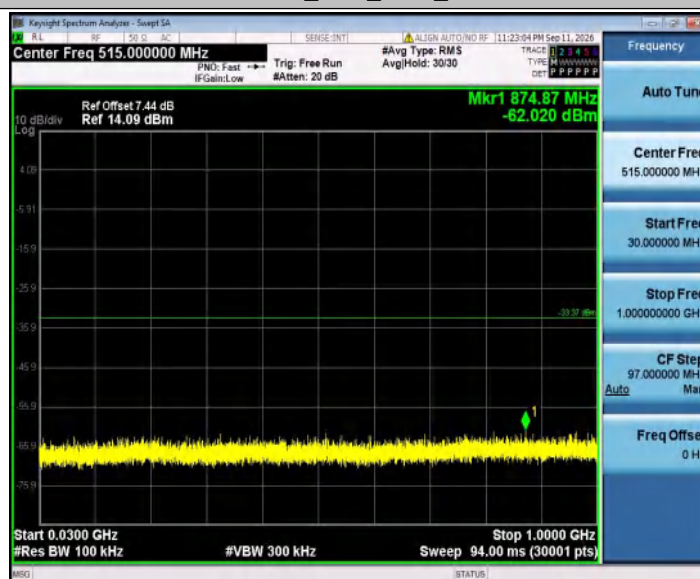
11N40SISO_Ant1_2437_1000~26500

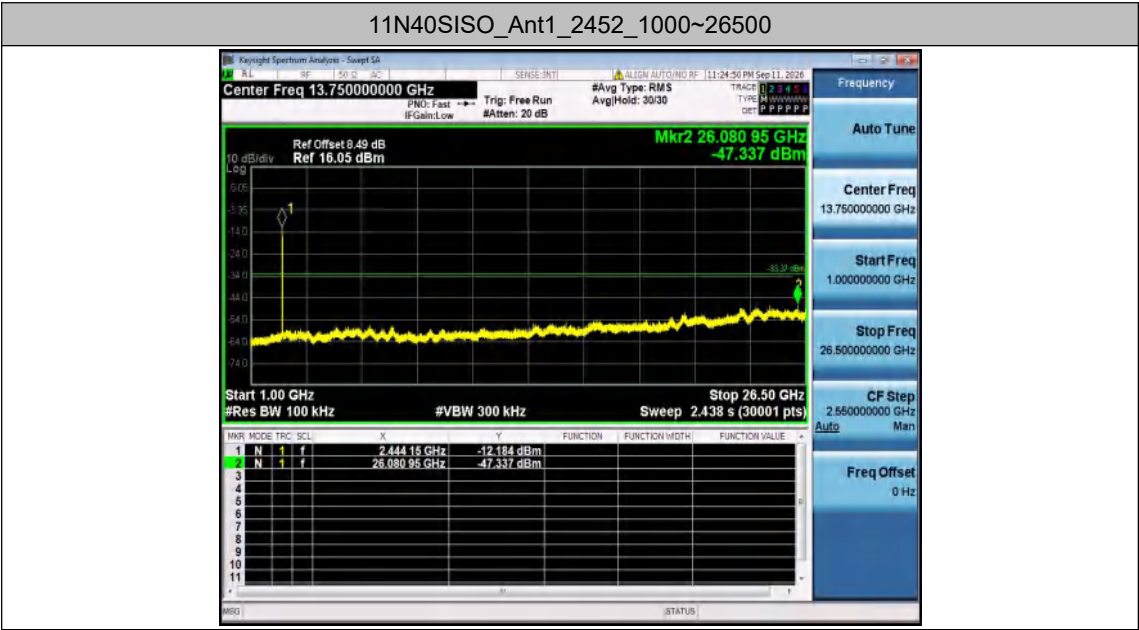


11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



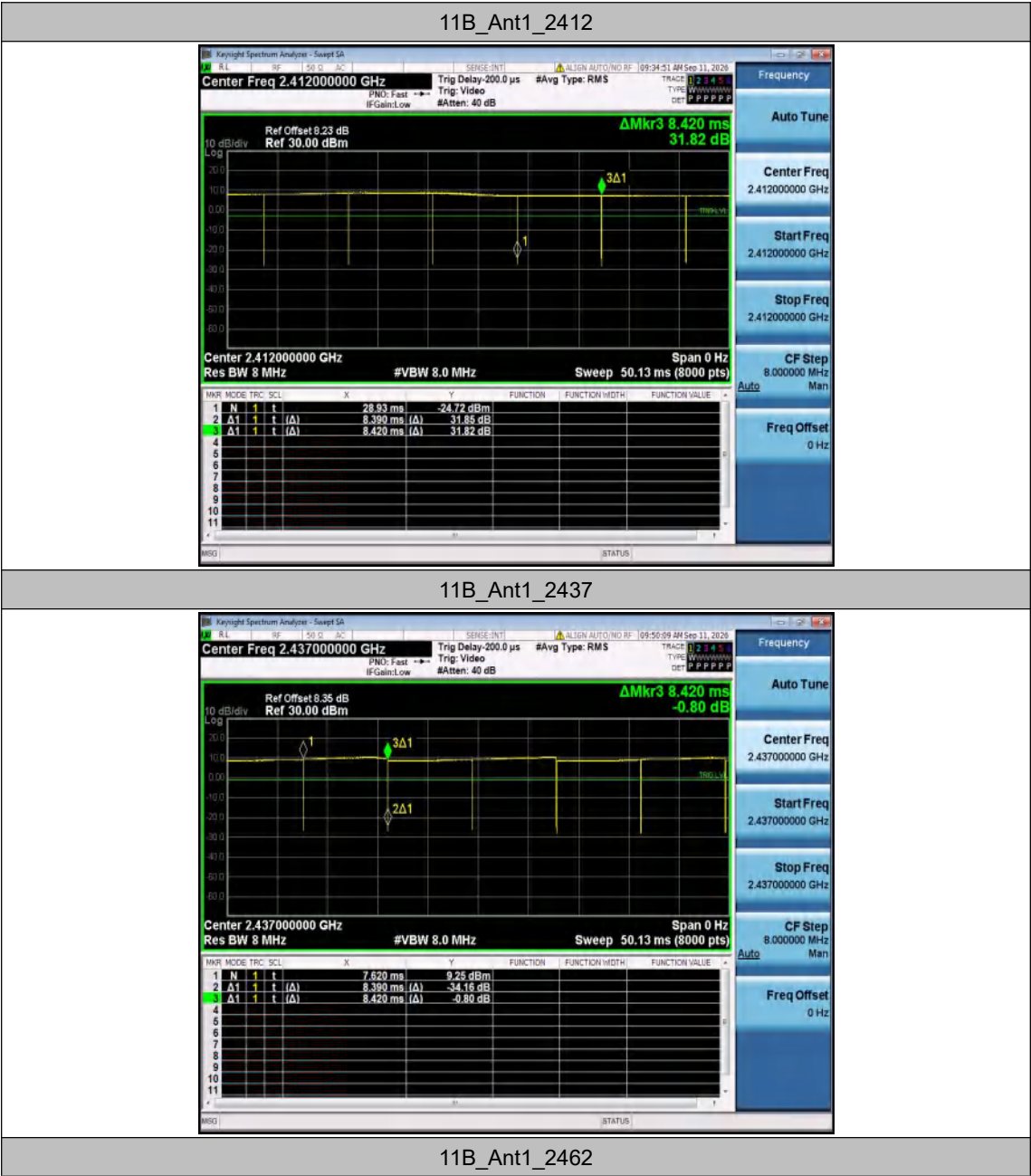


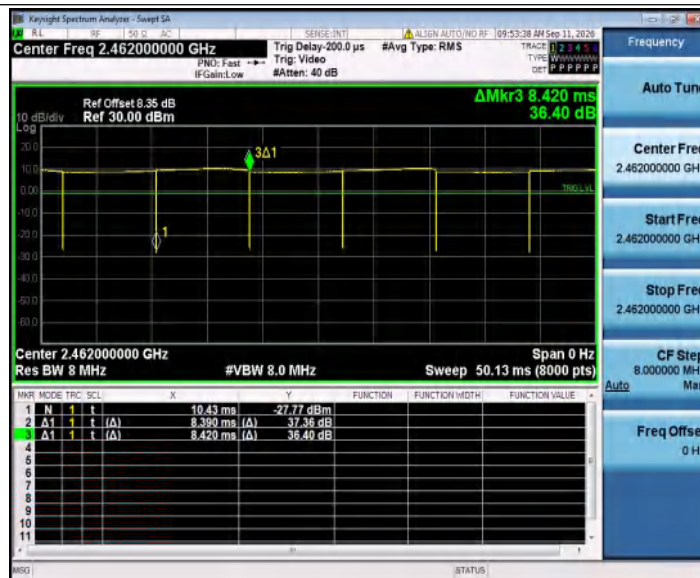
Appendix A.7: Duty Cycle

Test Result

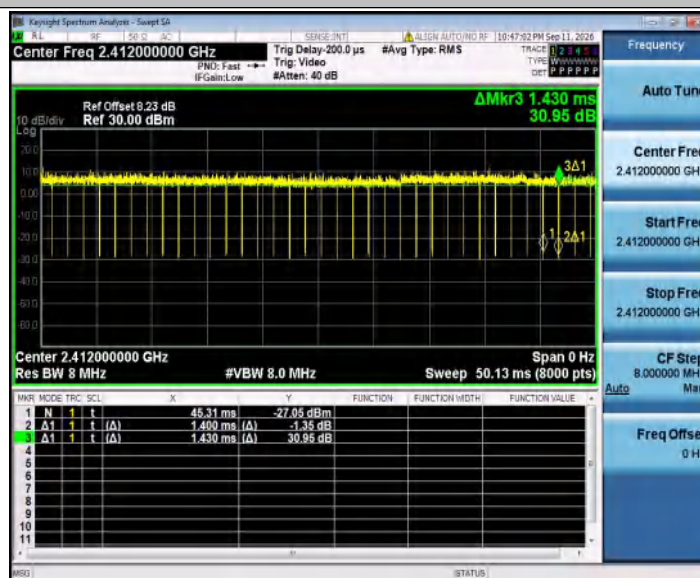
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11B	Ant1	2412	8.39	8.42	99.64	0.02	0.12
		2437	8.39	8.42	99.64	0.02	0.12
		2462	8.39	8.42	99.64	0.02	0.12
11G	Ant1	2412	1.40	1.43	97.90	0.09	0.71
		2437	1.39	1.43	97.20	0.12	0.72
		2462	1.40	1.43	97.90	0.09	0.71
11N20SISO	Ant1	2412	1.29	1.33	96.99	0.13	0.78
		2437	1.30	1.34	97.01	0.13	0.77
		2462	1.29	1.33	96.99	0.13	0.78
11N40SISO	Ant1	2422	0.65	0.69	94.20	0.26	1.54
		2437	0.65	0.68	95.59	0.20	1.54
		2452	0.64	0.68	94.12	0.26	1.56

Test Graphs

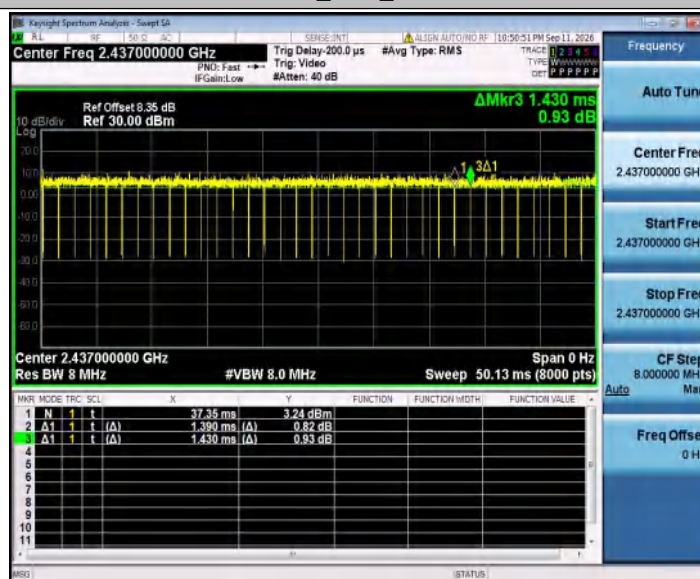




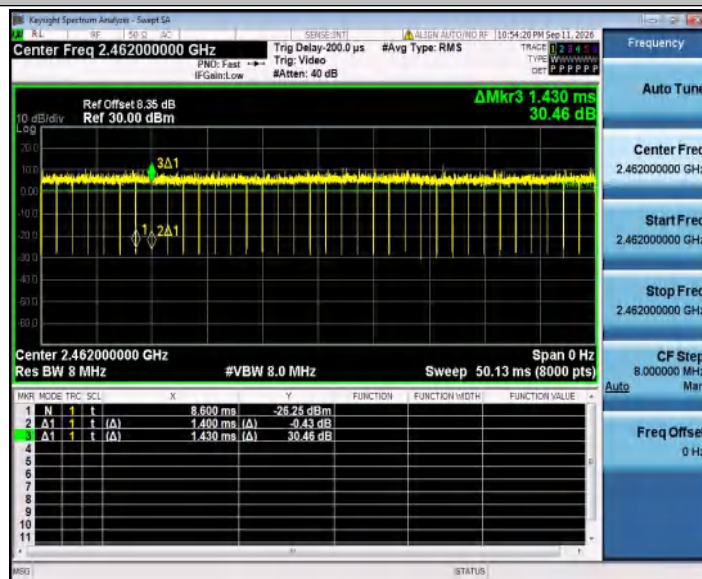
11G_Ant1_2412



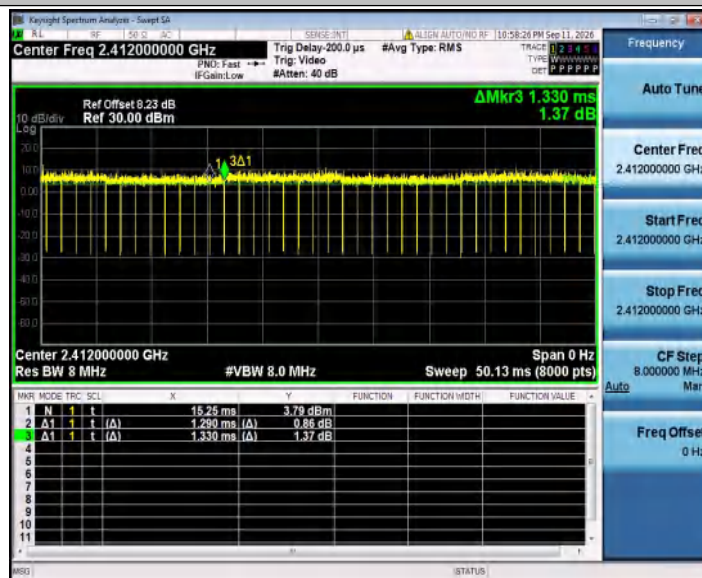
11G_Ant1_2437



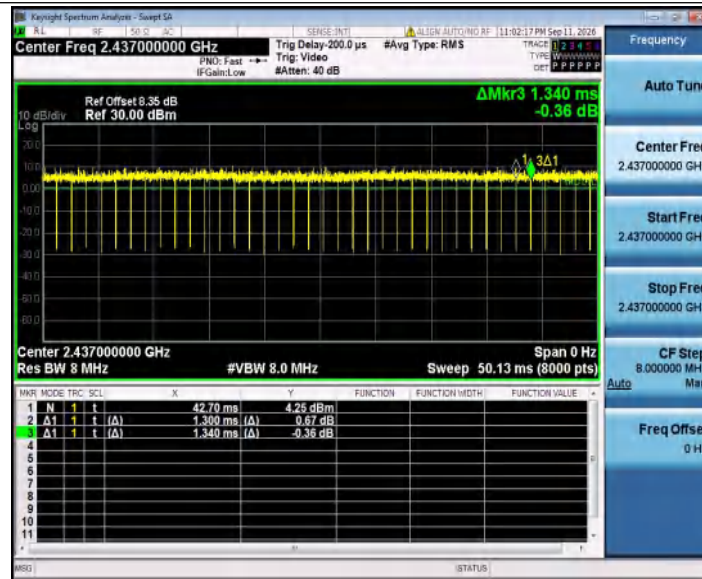
11G_Ant1_2462



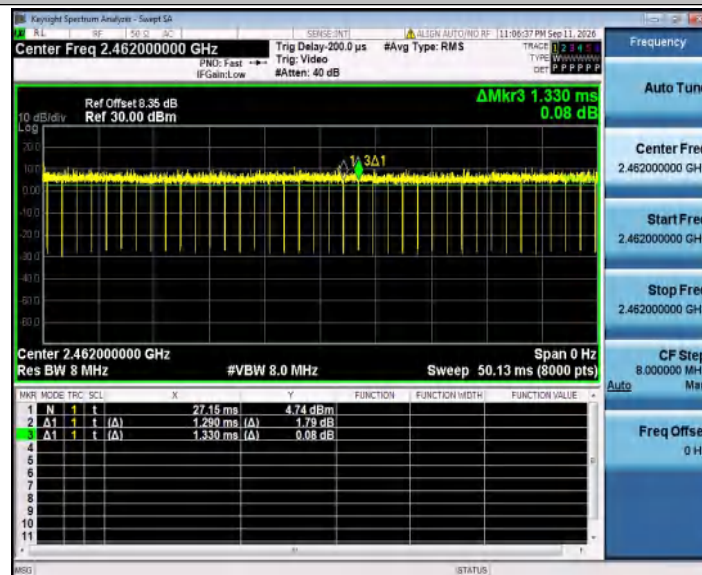
11N20SISO_Ant1_2412



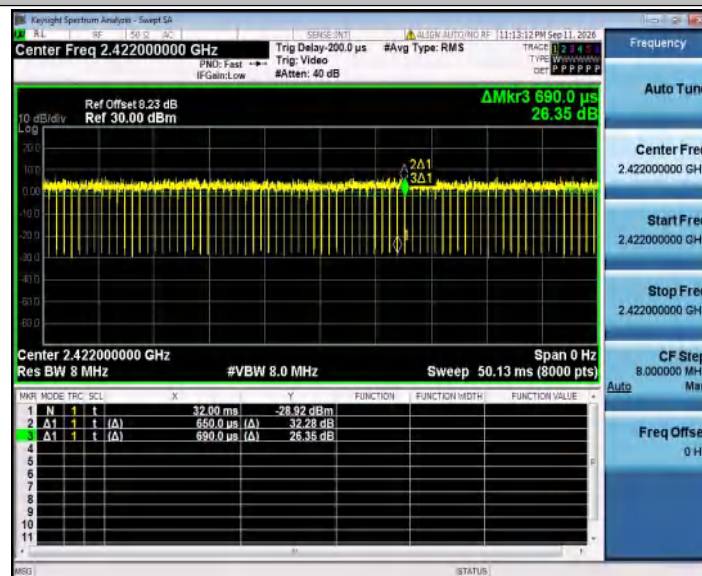
11N20SISO_Ant1_2437



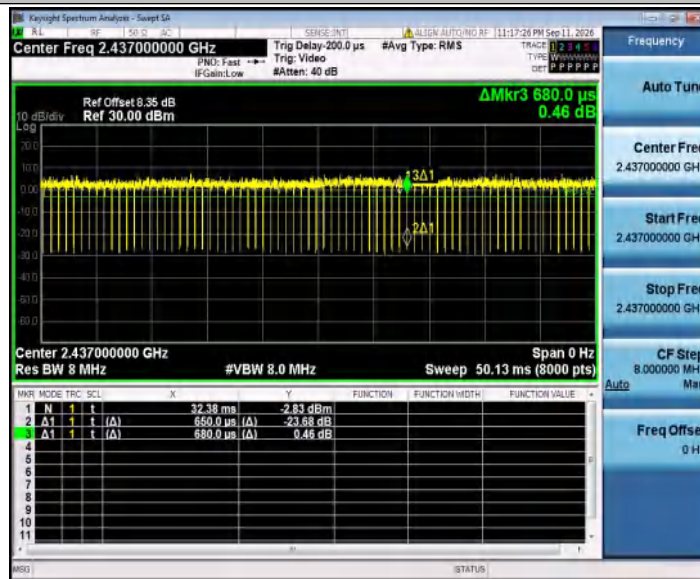
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix A.8: Emissions in Restricted Bands

Test Result

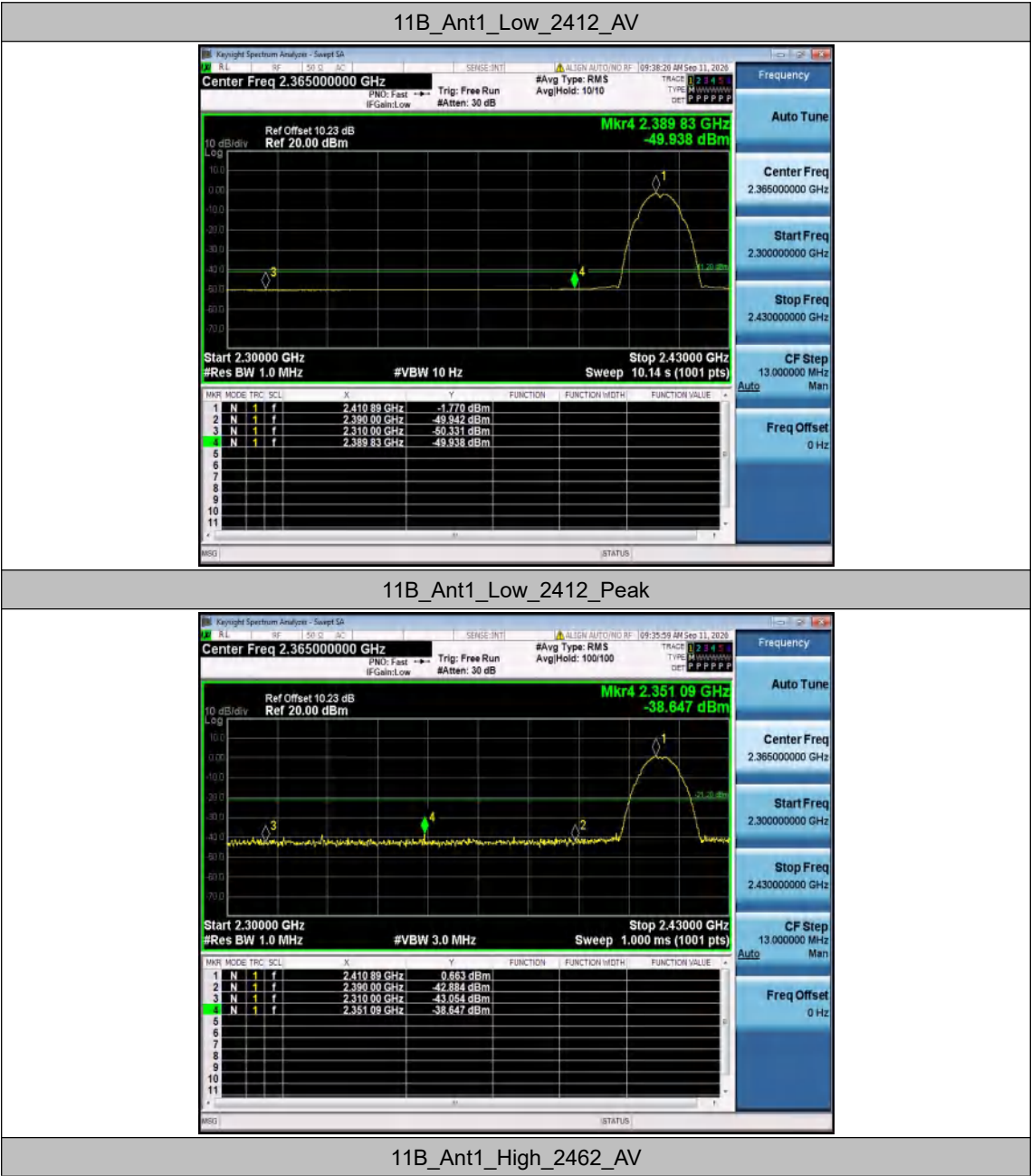
TestMode	Antenna	ChName	Frequenc y[MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11B	Ant1	Low	2412	AV	2310.000	-50.33	≤-41.20	44.87	≤54	PASS
				AV	2389.830	-49.94	≤-41.20	45.26	≤54	PASS
				AV	2390.000	-49.94	≤-41.20	45.26	≤54	PASS
				Peak	2310.000	-43.05	≤-21.20	52.15	≤74	PASS
				Peak	2351.090	-38.65	≤-21.20	56.55	≤74	PASS
				Peak	2390.000	-42.88	≤-21.20	52.32	≤74	PASS
		High	2462	AV	2483.500	-49.5	≤-41.20	45.70	≤54	PASS
				AV	2499.840	-49.39	≤-41.20	45.81	≤54	PASS
				AV	2500.000	-49.41	≤-41.20	45.79	≤54	PASS
				Peak	2483.500	-41.4	≤-21.20	53.80	≤74	PASS
				Peak	2496.100	-39.87	≤-21.20	55.33	≤74	PASS
				Peak	2500.000	-42.19	≤-21.20	53.01	≤74	PASS
11G	Ant1	Low	2412	AV	2310.000	-50.42	≤-41.20	44.78	≤54	PASS
				AV	2386.970	-49.94	≤-41.20	45.26	≤54	PASS
				AV	2390.000	-50.2	≤-41.20	45.00	≤54	PASS
				Peak	2310.000	-42.46	≤-21.20	52.74	≤74	PASS
				Peak	2357.980	-40.3	≤-21.20	54.90	≤74	PASS
				Peak	2390.000	-43.6	≤-21.20	51.60	≤74	PASS
		High	2462	AV	2483.500	-49.57	≤-41.20	45.63	≤54	PASS
				AV	2494.340	-49.26	≤-41.20	45.94	≤54	PASS
				AV	2500.000	-49.48	≤-41.20	45.72	≤54	PASS
				Peak	2483.500	-41.78	≤-21.20	53.42	≤74	PASS
				Peak	2499.950	-39	≤-21.20	56.20	≤74	PASS
				Peak	2500.000	-39	≤-21.20	56.20	≤74	PASS
11N20SIS O	Ant1	Low	2412	AV	2310.000	-50.14	≤-41.20	45.06	≤54	PASS
				AV	2389.180	-49.32	≤-41.20	45.88	≤54	PASS
				AV	2390.000	-49.45	≤-41.20	45.75	≤54	PASS
				Peak	2310.000	-43.11	≤-21.20	52.09	≤74	PASS
				Peak	2377.610	-39.05	≤-21.20	56.15	≤74	PASS
				Peak	2390.000	-43.19	≤-21.20	52.01	≤74	PASS
		High	2462	AV	2483.500	-49.25	≤-41.20	45.95	≤54	PASS
				AV	2497.640	-49.18	≤-41.20	46.02	≤54	PASS
				AV	2500.000	-49.36	≤-41.20	45.84	≤54	PASS
				Peak	2483.500	-43.12	≤-21.20	52.08	≤74	PASS
				Peak	2496.320	-38.87	≤-21.20	56.33	≤74	PASS
				Peak	2500.000	-42.31	≤-21.20	52.89	≤74	PASS
11N40SIS	Ant1	Low	2422	AV	2310.000	-49.88	≤-41.20	45.32	≤54	PASS

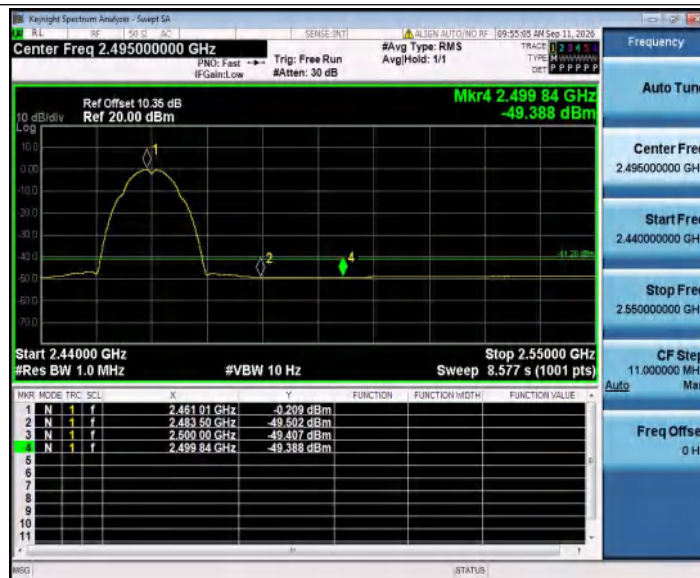
O				AV	2376.050	-49.4	≤-41.20	45.80	≤54	PASS
				AV	2390.000	-49.87	≤-41.20	45.33	≤54	PASS
				Peak	2310.000	-42.94	≤-21.20	52.26	≤74	PASS
				Peak	2366.150	-39.26	≤-21.20	55.94	≤74	PASS
				Peak	2390.000	-42.42	≤-21.20	52.78	≤74	PASS
		High	2452	AV	2483.500	-49.46	≤-41.20	45.74	≤54	PASS
				AV	2492.500	-48.9	≤-41.20	46.30	≤54	PASS
				AV	2500.000	-49.3	≤-41.20	45.90	≤54	PASS
				Peak	2483.500	-43.99	≤-21.20	51.21	≤74	PASS
				Peak	2484.125	-40.15	≤-21.20	55.05	≤74	PASS
				Peak	2500.000	-41.18	≤-21.20	54.02	≤74	PASS

Note:

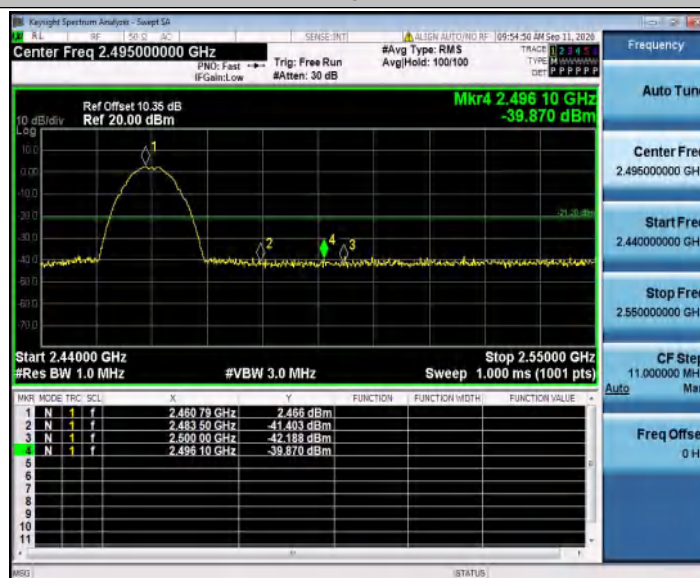
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

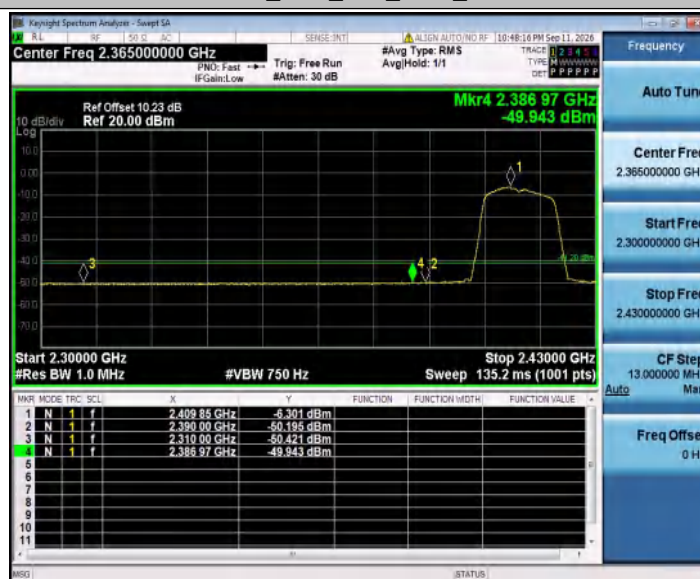




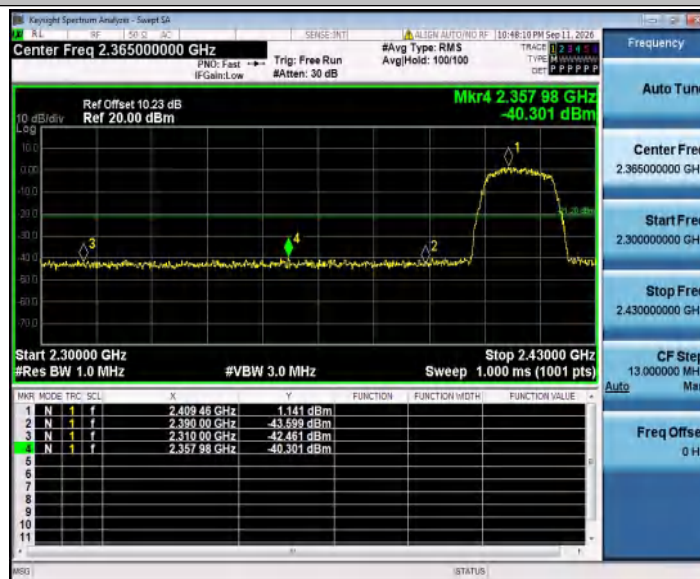
11B_Ant1_High_2462_Peak



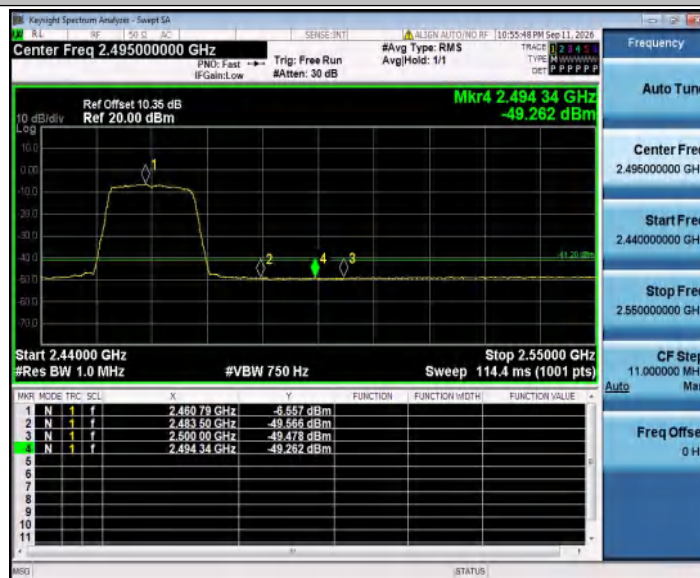
11G_Ant1_Low_2412_AV



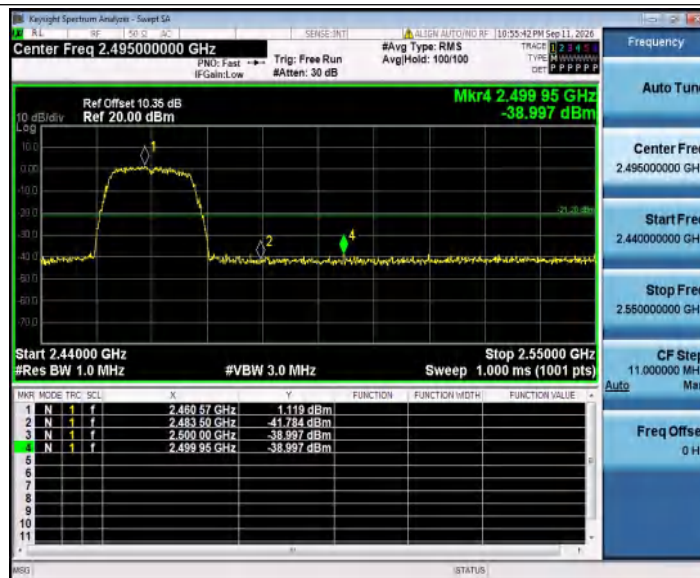
11G_Ant1_Low_2412_Peak



11G_Ant1_High_2462_AV



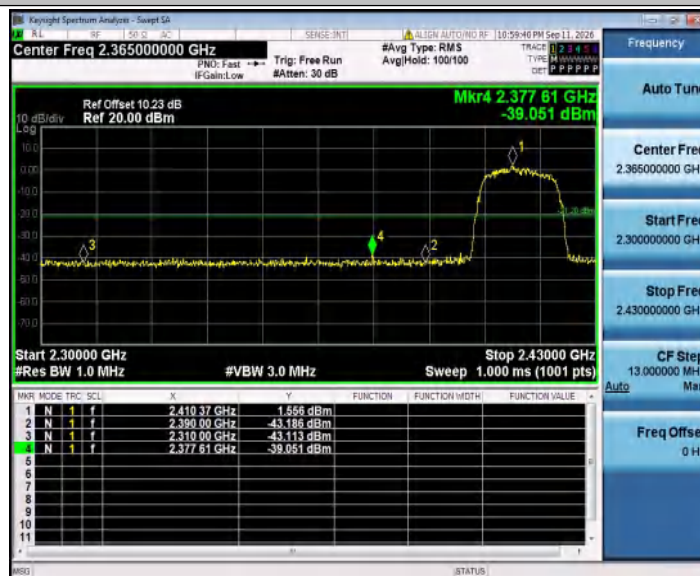
11G_Ant1_High_2462_Peak



11N20SISO_Ant1_Low_2412_AV



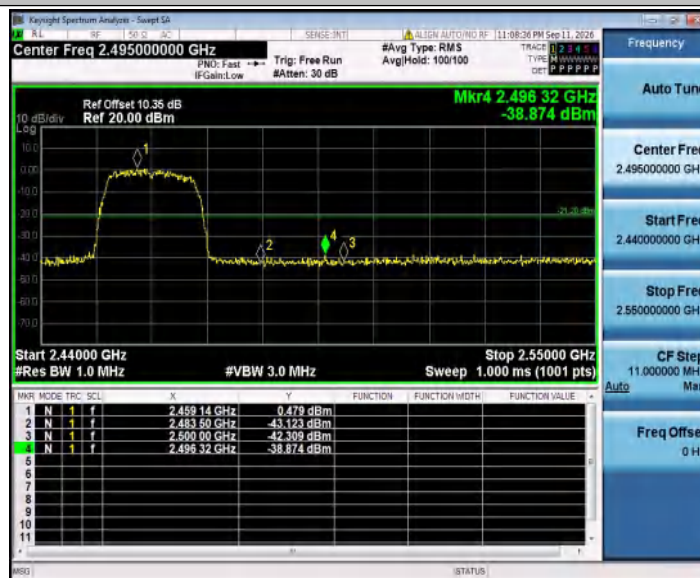
11N20SISO_Ant1_Low_2412_Peak



11N20SISO_Ant1_High_2462_AV



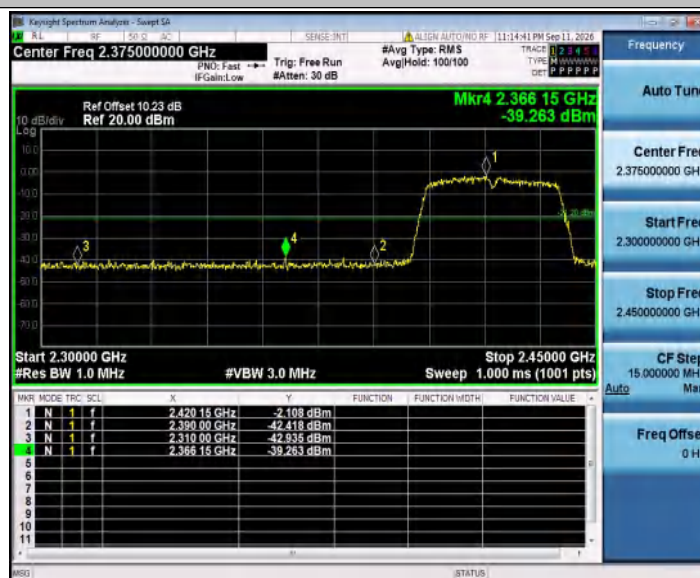
11N20SISO_Ant1_High_2462_Peak



11N40SISO_Ant1_Low_2422_AV



11N40SISO_Ant1_Low_2422_Peak



11N40SISO_Ant1_High_2452_AV

