

Case No. : <u>GTS20260716004-1-01</u>	
Ambient Condition: <u>25</u> °C, <u>50</u> %RH,	
Test Date: <u>2026.7.21-2026.8.27</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	9.240	2407.400	2416.640	0.5	PASS
		2437	9.160	2432.480	2441.640	0.5	PASS
		2462	9.200	2457.440	2466.640	0.5	PASS
11G	Ant1	2412	15.680	2404.320	2420.000	0.5	PASS
		2437	15.600	2429.400	2445.000	0.5	PASS
		2462	15.160	2454.720	2469.880	0.5	PASS
11N20SISO	Ant1	2412	16.800	2403.720	2420.520	0.5	PASS
		2437	16.640	2428.840	2445.480	0.5	PASS
		2462	16.600	2454.000	2470.600	0.5	PASS



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462

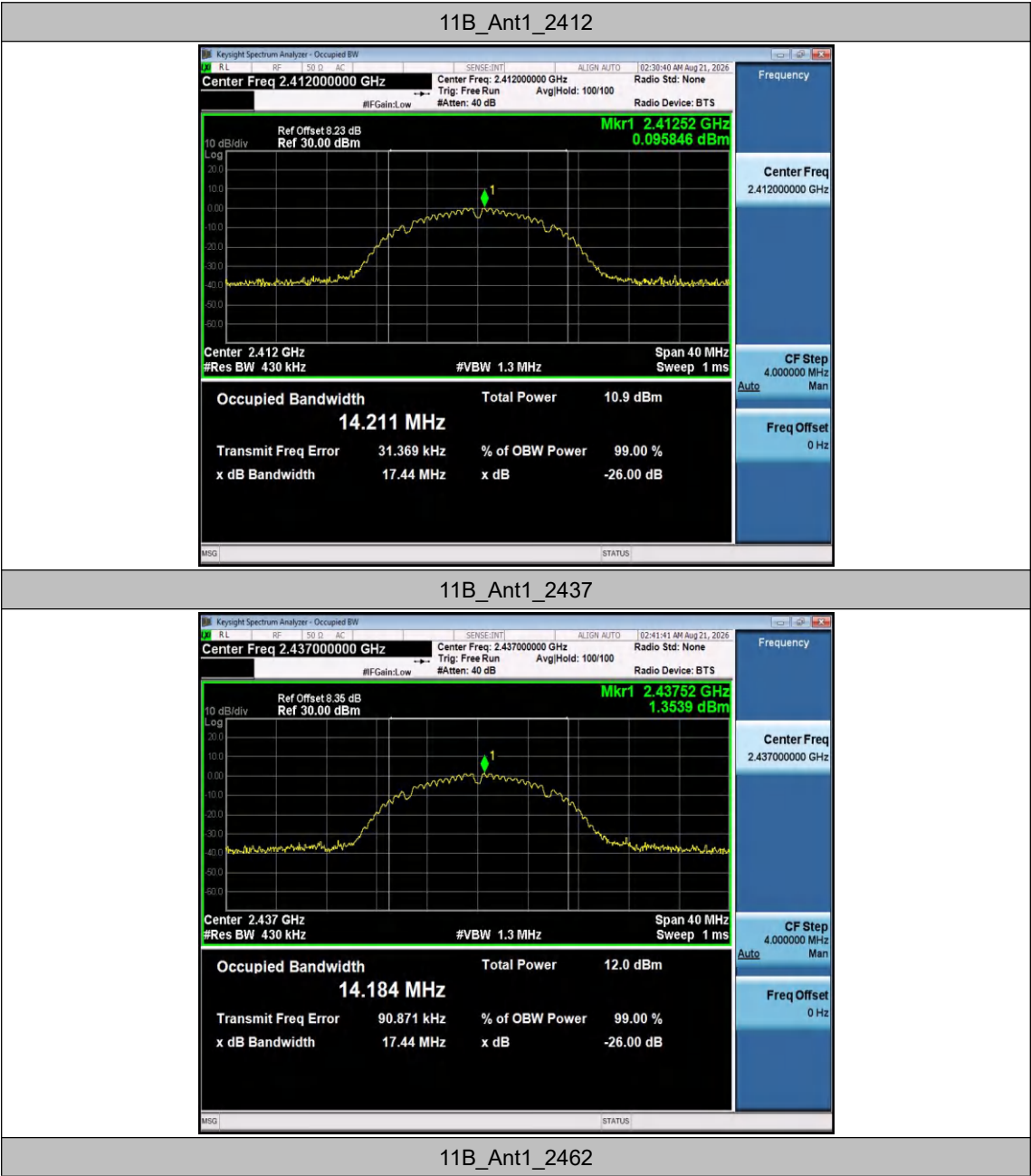


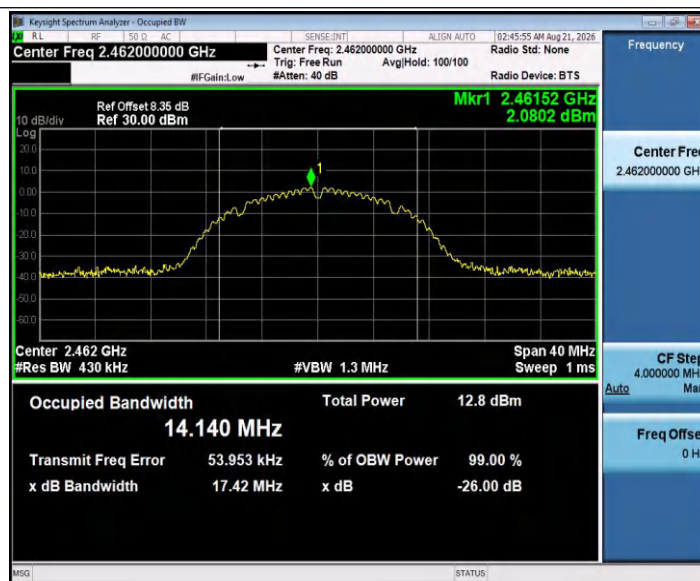
Appendix A.2: Occupied Channel Bandwidth

Test Result

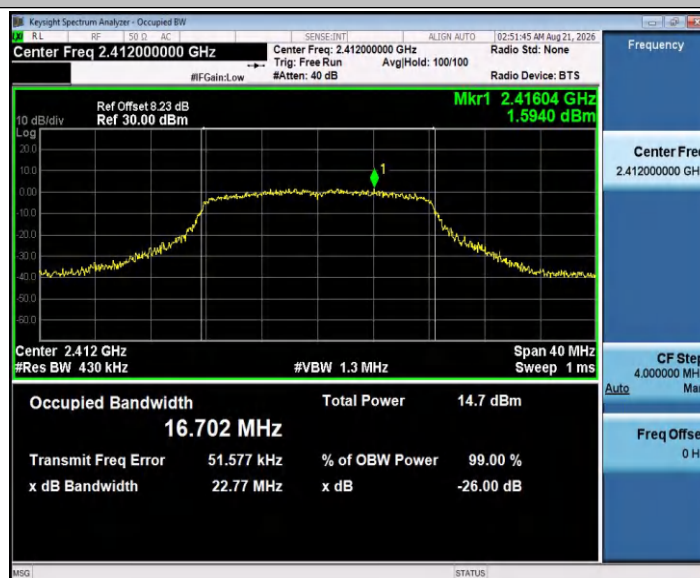
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.211	2404.9259	2419.1369	---	---
		2437	14.184	2429.9989	2444.1829	---	---
		2462	14.140	2454.9840	2469.1240	---	---
11G	Ant1	2412	16.702	2403.7006	2420.4026	---	---
		2437	16.657	2428.7693	2445.4263	---	---
		2462	16.684	2453.7238	2470.4078	---	---
11N20SISO	Ant1	2412	17.654	2403.1794	2420.8334	---	---
		2437	17.666	2428.2655	2445.9315	---	---
		2462	17.738	2453.1498	2470.8878	---	---

Test Graphs





11G_Ant1_2412



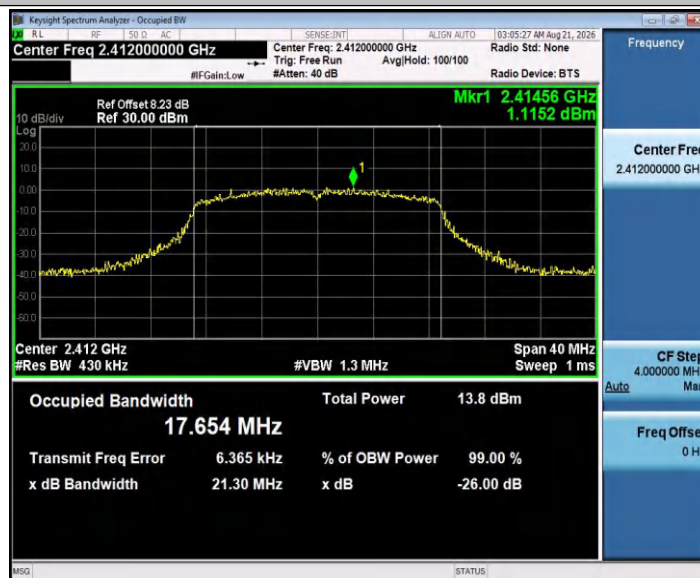
11G_Ant1_2437



11G_Ant1_2462



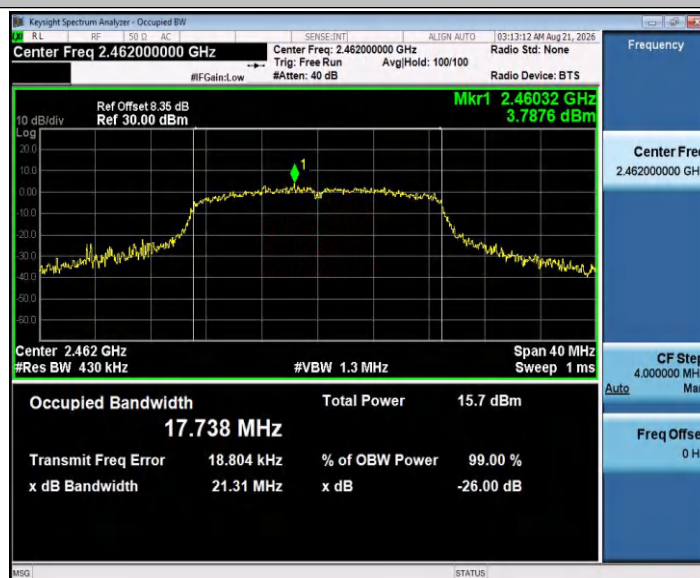
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



Appendix A.3: Maximum conducted output power

Test Result

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	10.96	≤30.00	PASS
		2437	12.02	≤30.00	PASS
		2462	12.91	≤30.00	PASS
11G	Ant1	2412	15.98	≤30.00	PASS
		2437	16.84	≤30.00	PASS
		2462	17.81	≤30.00	PASS
11N20SISO	Ant1	2412	14.71	≤30.00	PASS
		2437	15.56	≤30.00	PASS
		2462	16.59	≤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	-14.19	≤8.00	PASS
		2437	-13.08	≤8.00	PASS
		2462	-12.36	≤8.00	PASS
11G	Ant1	2412	-15.99	≤8.00	PASS
		2437	-15.05	≤8.00	PASS
		2462	-14.48	≤8.00	PASS
11N20SISO	Ant1	2412	-18.13	≤8.00	PASS
		2437	-16.86	≤8.00	PASS
		2462	-16.30	≤8.00	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



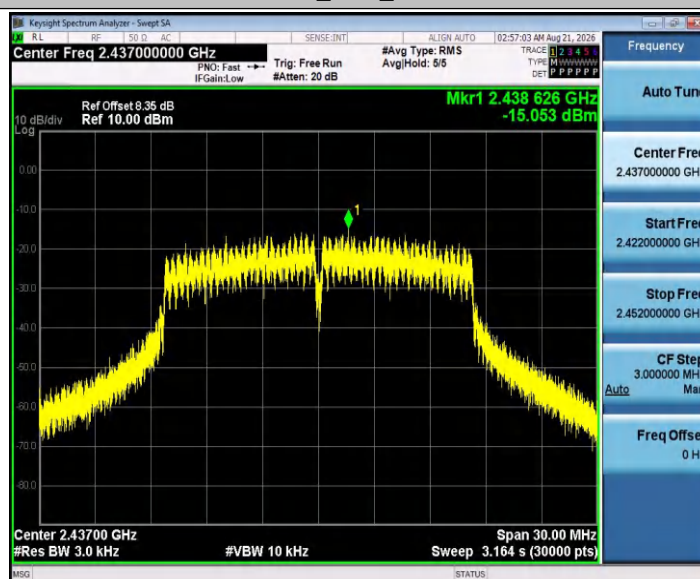
11B_Ant1_2462



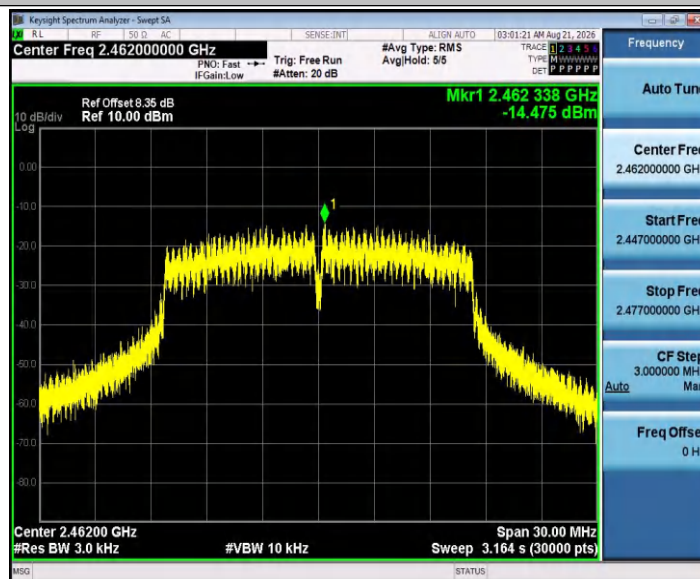
11G_Ant1_2412



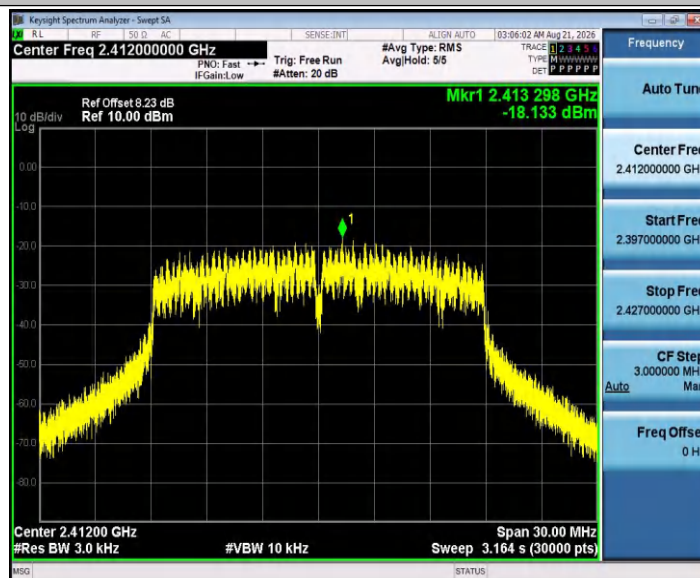
11G_Ant1_2437



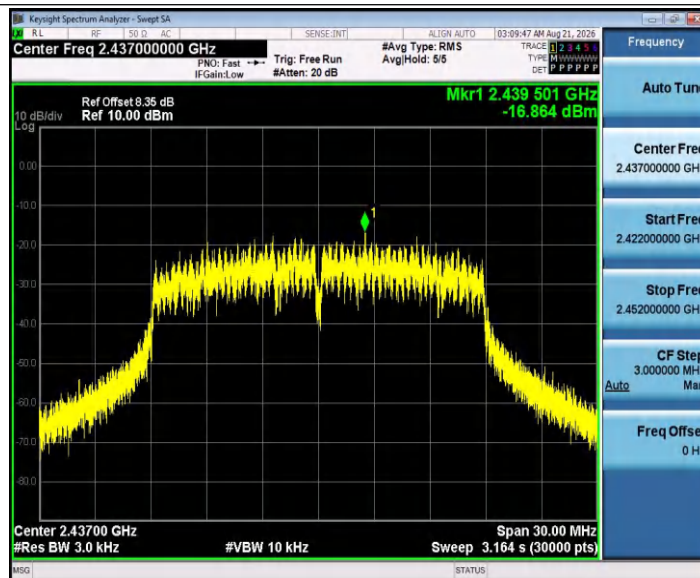
11G_Ant1_2462



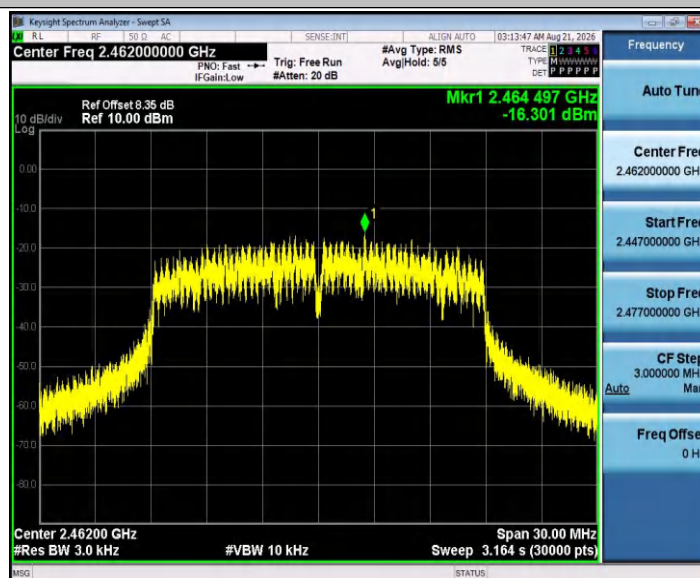
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



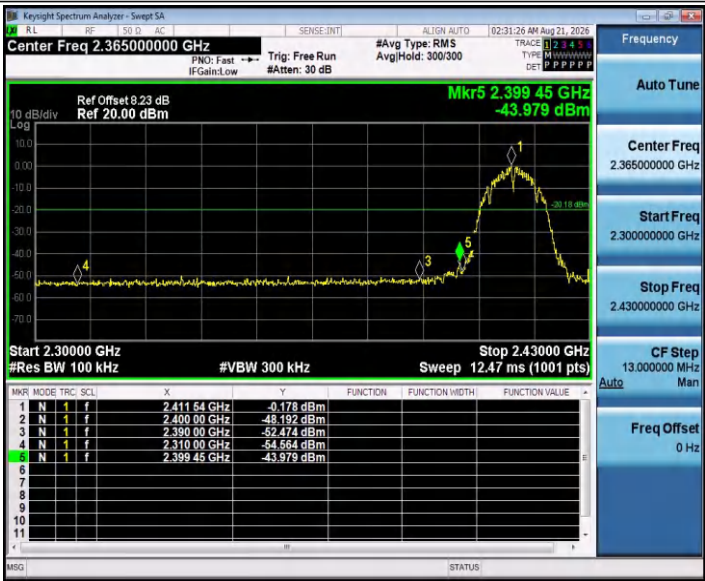
Appendix A.5: Band edge measurements

Test Result

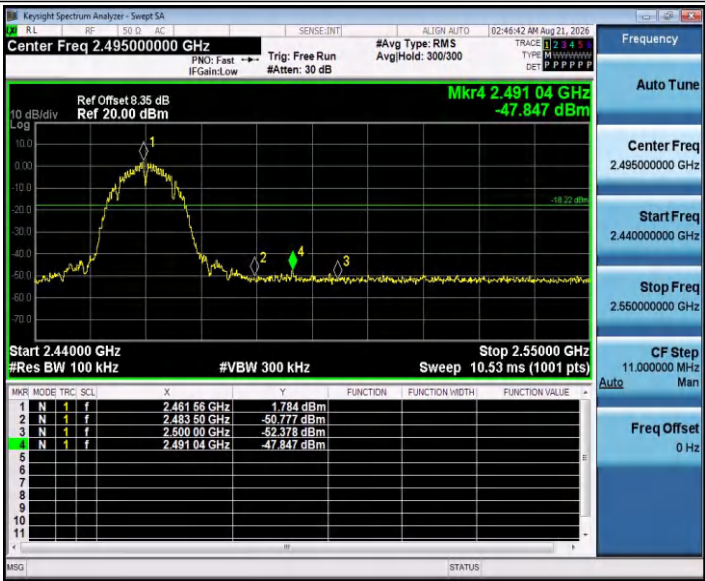
TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-0.18	-43.98	≤ -20.18	PASS
		High	2462	1.78	-47.85	≤ -18.22	PASS
11G	Ant1	Low	2412	-2.30	-35.9	≤ -22.3	PASS
		High	2462	-0.15	-45.52	≤ -20.15	PASS
11N20SISO	Ant1	Low	2412	-2.53	-37.93	≤ -22.53	PASS
		High	2462	-0.40	-44.83	≤ -20.4	PASS

Test Graphs

11B_Ant1_Low_2412



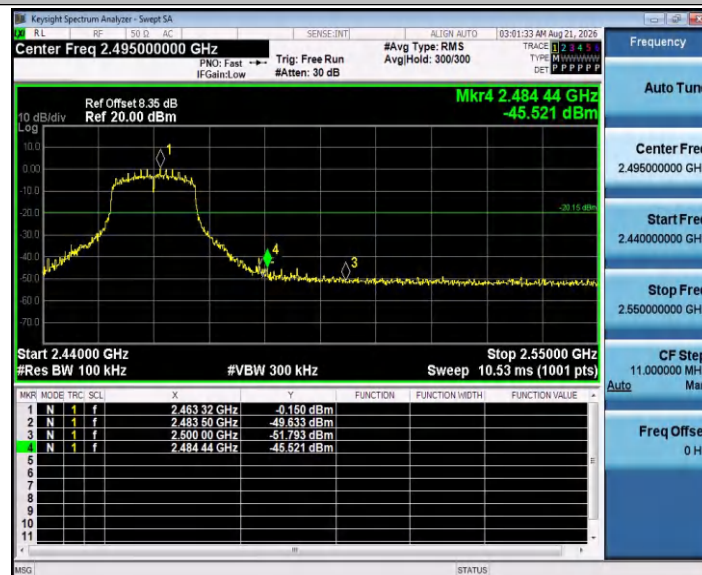
11B_Ant1_High_2462



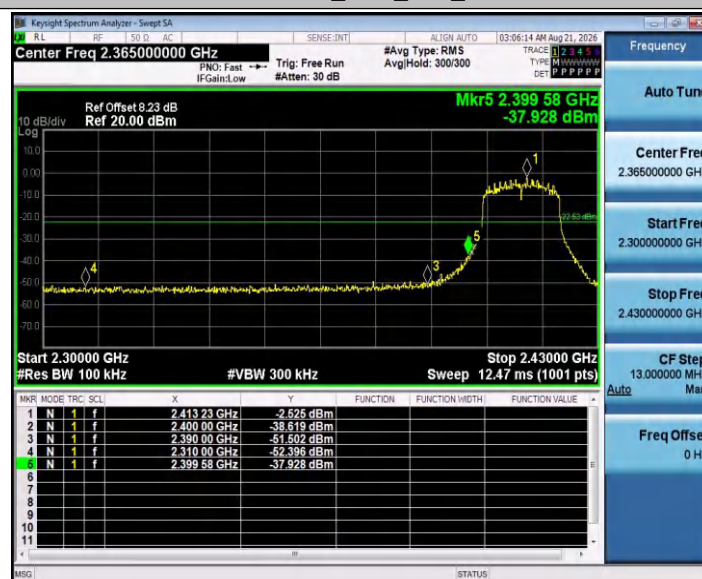
11G_Ant1_Low_2412

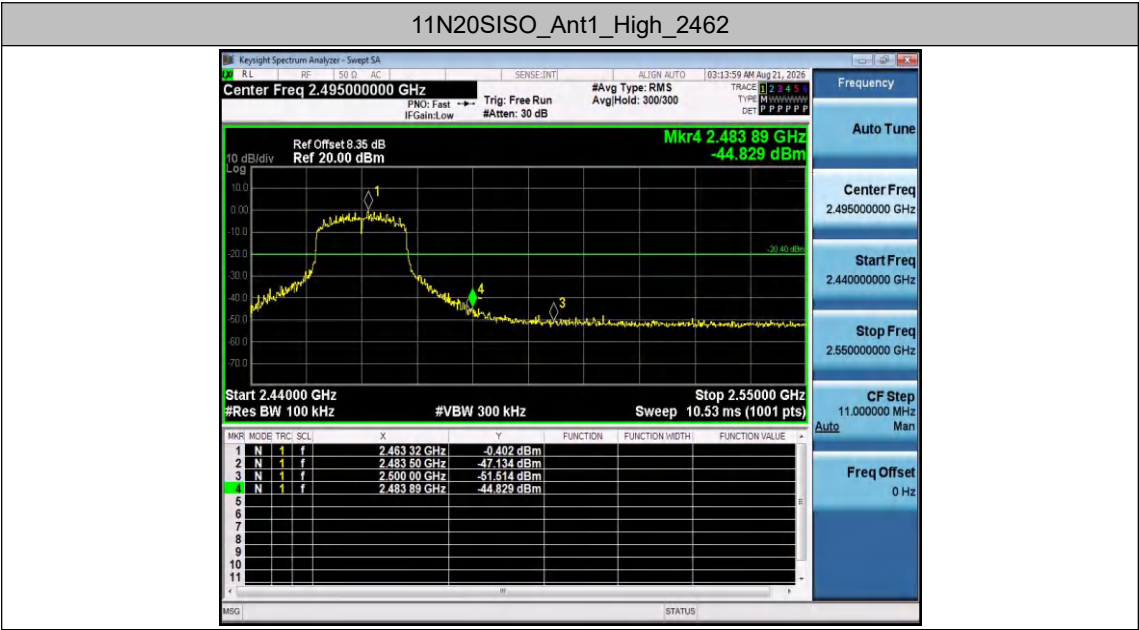


11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412





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	-1.23	-1.23	---	PASS
			30~1000	-1.23	-59.02	≤-21.23	PASS
			1000~26500	-1.23	-48.21	≤-21.23	PASS
		2437	Reference	-0.80	-0.80	---	PASS
			30~1000	-0.80	-58.39	≤-20.8	PASS
			1000~26500	-0.80	-48.06	≤-20.8	PASS
		2462	Reference	0.77	0.77	---	PASS
			30~1000	0.77	-59.44	≤-19.23	PASS
			1000~26500	0.77	-48.05	≤-19.23	PASS
11G	Ant1	2412	Reference	-3.31	-3.31	---	PASS
			30~1000	-3.31	-58.89	≤-23.31	PASS
			1000~26500	-3.31	-47.48	≤-23.31	PASS
		2437	Reference	-1.60	-1.60	---	PASS
			30~1000	-1.60	-58.02	≤-21.6	PASS
			1000~26500	-1.60	-47.64	≤-21.6	PASS
		2462	Reference	-3.07	-3.07	---	PASS
			30~1000	-3.07	-58.5	≤-23.07	PASS
			1000~26500	-3.07	-47.96	≤-23.07	PASS
11N20SISO	Ant1	2412	Reference	-2.49	-2.49	---	PASS
			30~1000	-2.49	-58.87	≤-22.49	PASS
			1000~26500	-2.49	-47.96	≤-22.49	PASS
		2437	Reference	-2.19	-2.19	---	PASS
			30~1000	-2.19	-58.08	≤-22.19	PASS
			1000~26500	-2.19	-48.15	≤-22.19	PASS
		2462	Reference	-0.66	-0.66	---	PASS
			30~1000	-0.66	-58.19	≤-20.66	PASS
			1000~26500	-0.66	-48.13	≤-20.66	PASS

Test Graphs

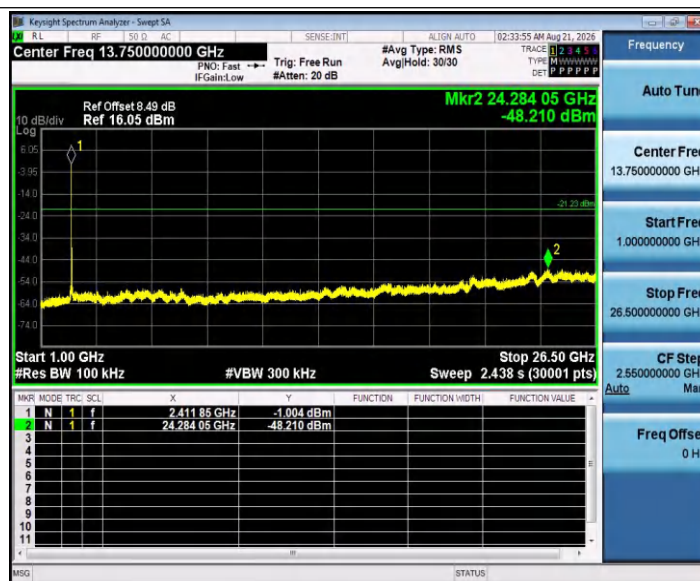
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



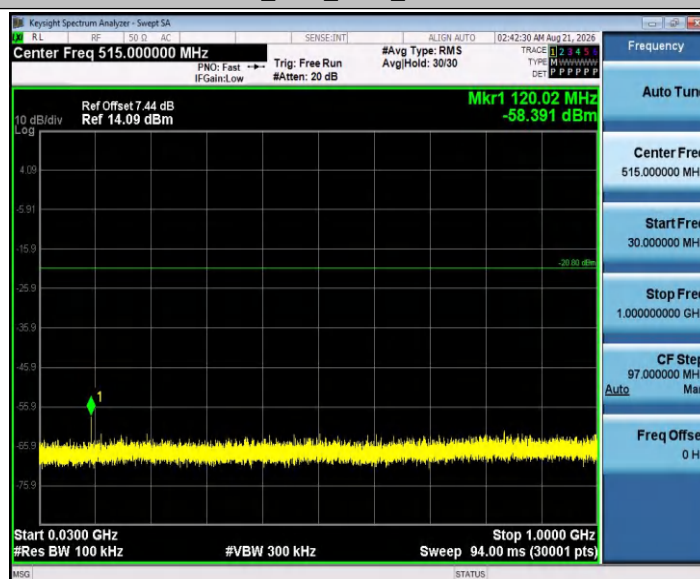
11B_Ant1_2412_1000~26500



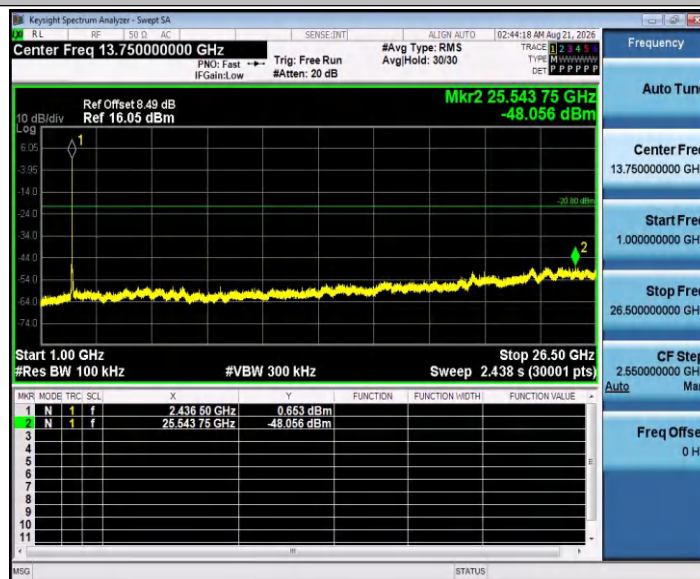
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



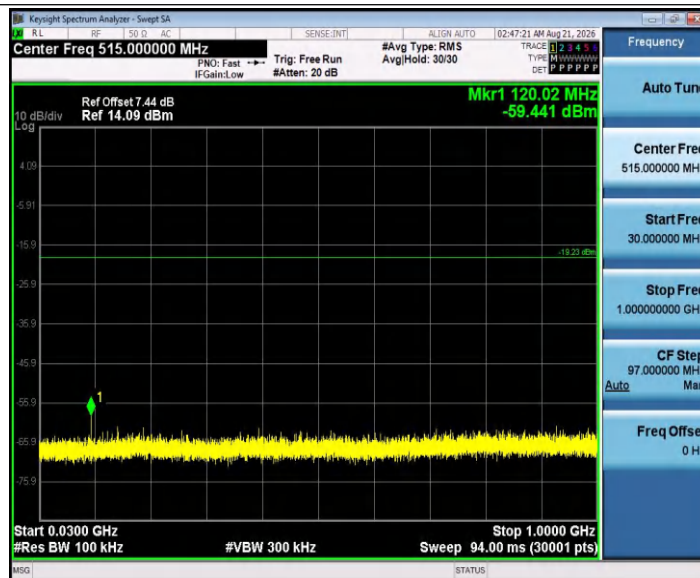
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



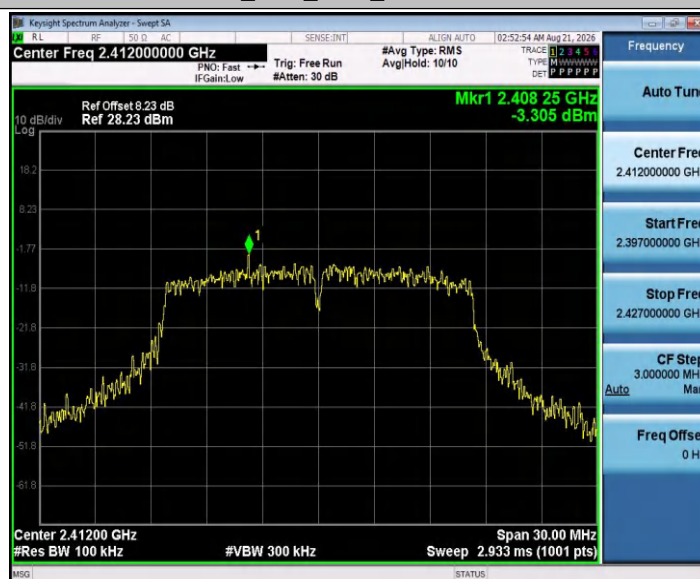
11B_Ant1_2462_30~1000



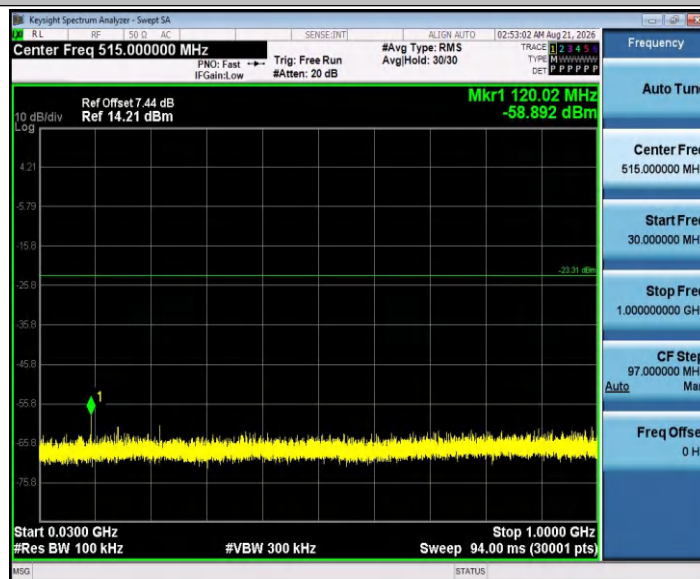
11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



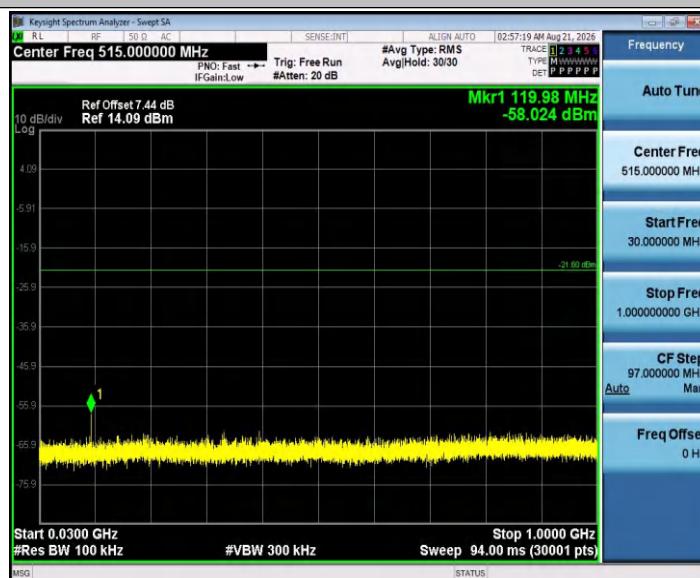
11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500



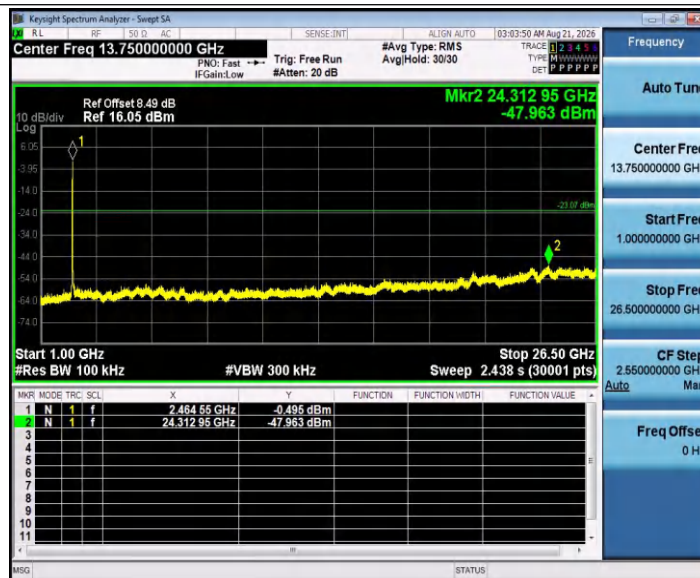
11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



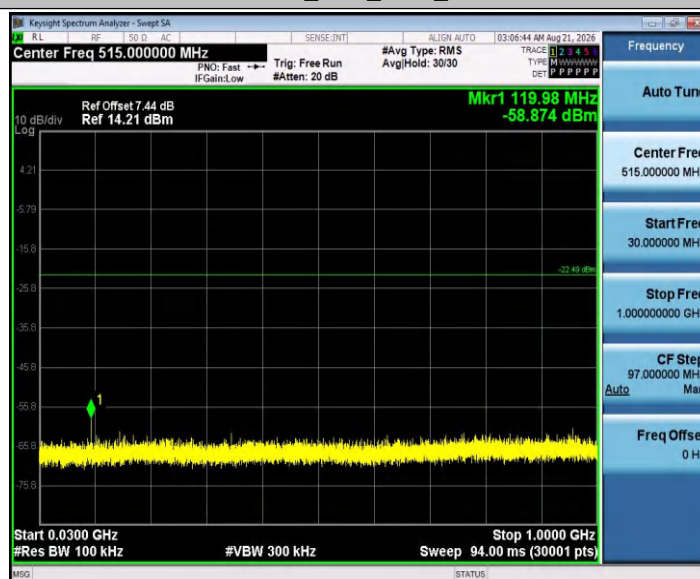
11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



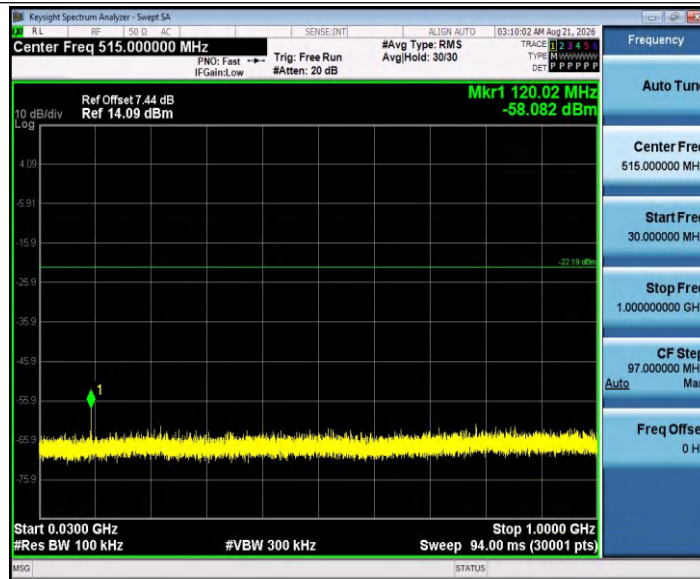
11N20SISO_Ant1_2412_1000~26500



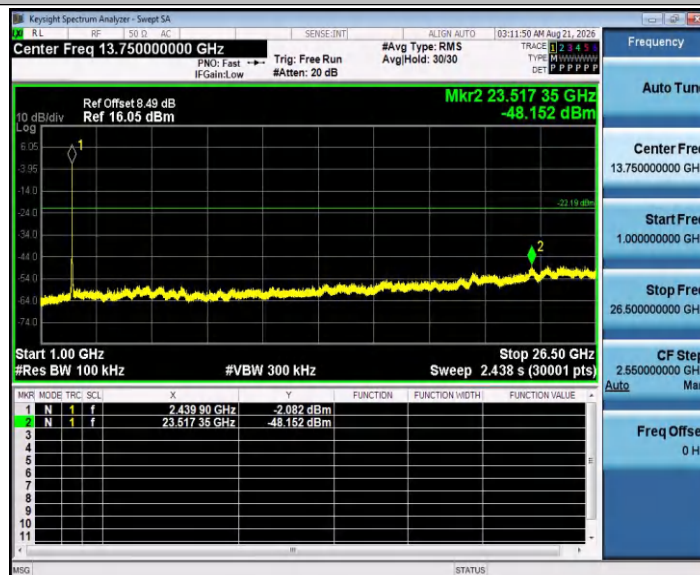
11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000

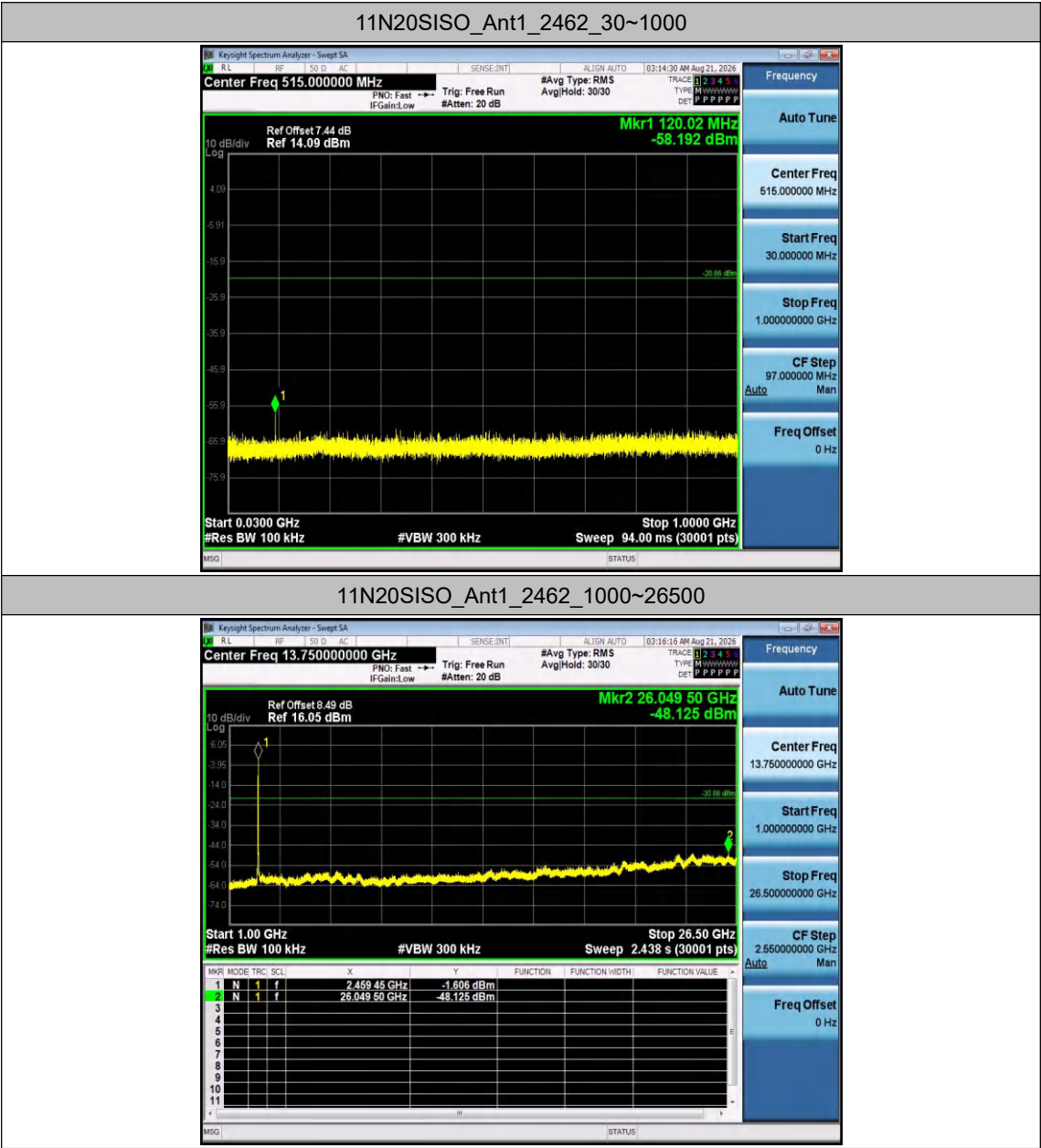


11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



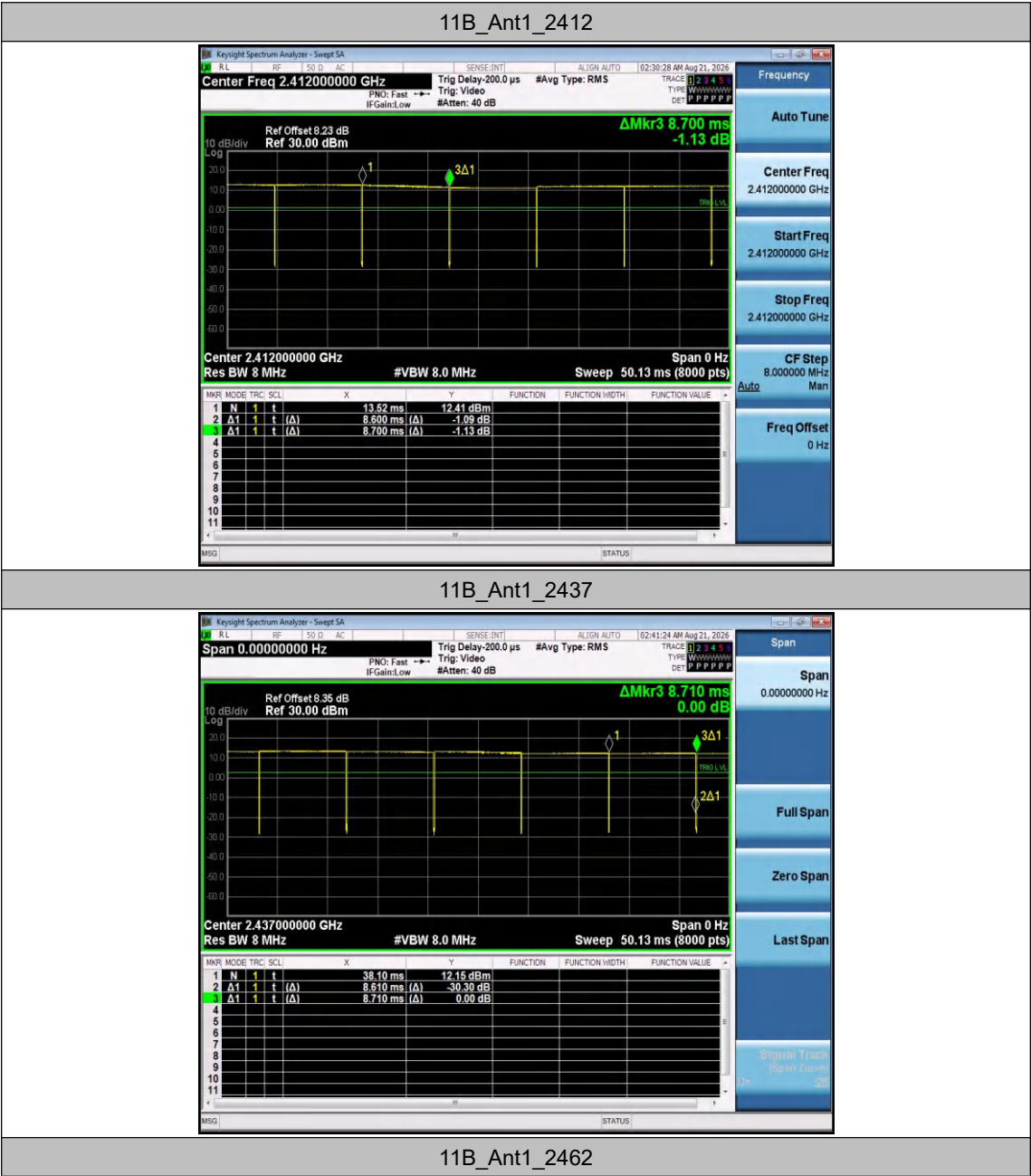


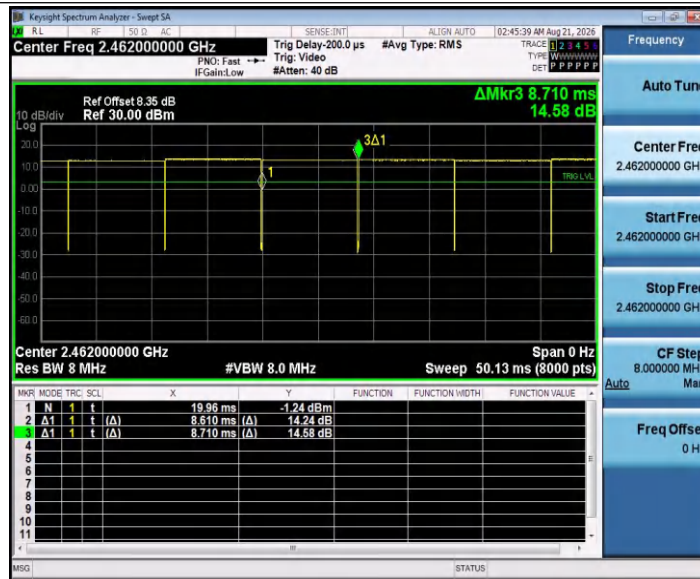
Appendix A.7: Duty Cycle

Test Result

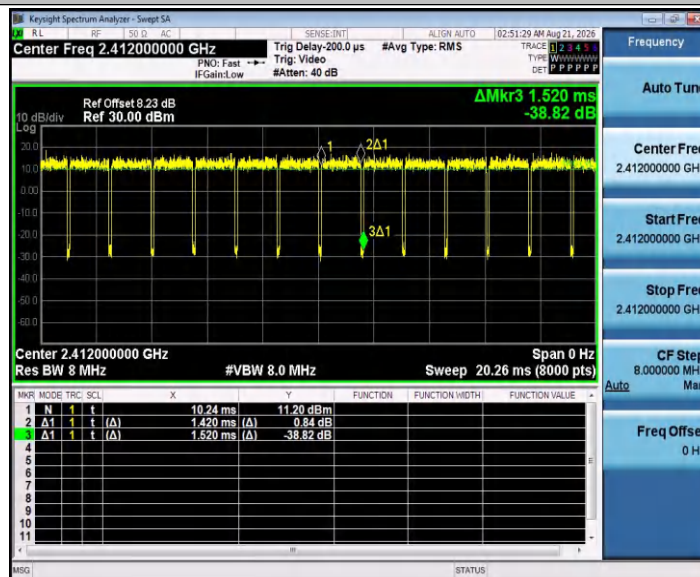
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11B	Ant1	2412	8.60	8.70	98.85	0.05	0.12
		2437	8.61	8.71	98.85	0.05	0.12
		2462	8.61	8.71	98.85	0.05	0.12
11G	Ant1	2412	1.42	1.52	93.42	0.30	0.70
		2437	1.42	1.53	92.81	0.32	0.70
		2462	1.42	1.53	92.81	0.32	0.70
11N20SISO	Ant1	2412	0.16	0.27	59.26	2.27	6.25
		2437	0.17	0.27	62.96	2.01	5.88
		2462	0.17	0.27	62.96	2.01	5.88

Test Graphs

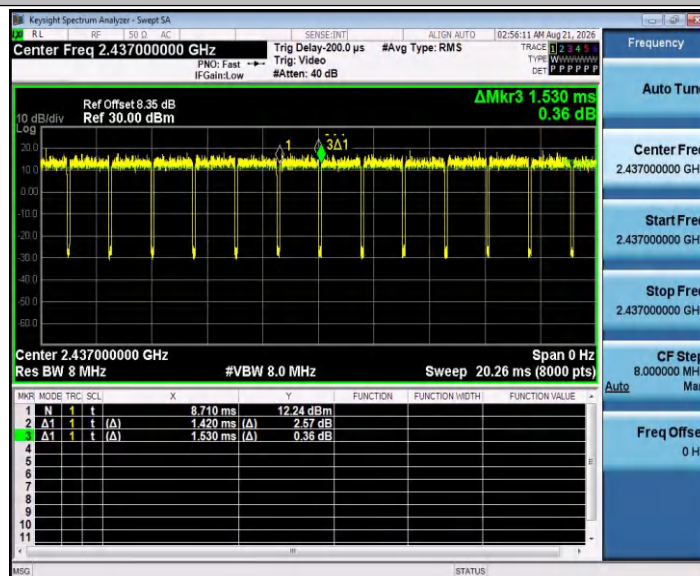




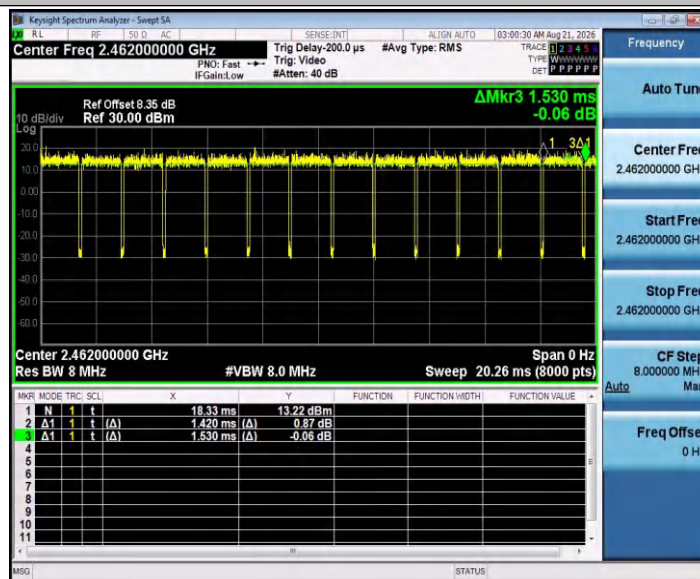
11G_Ant1_2412



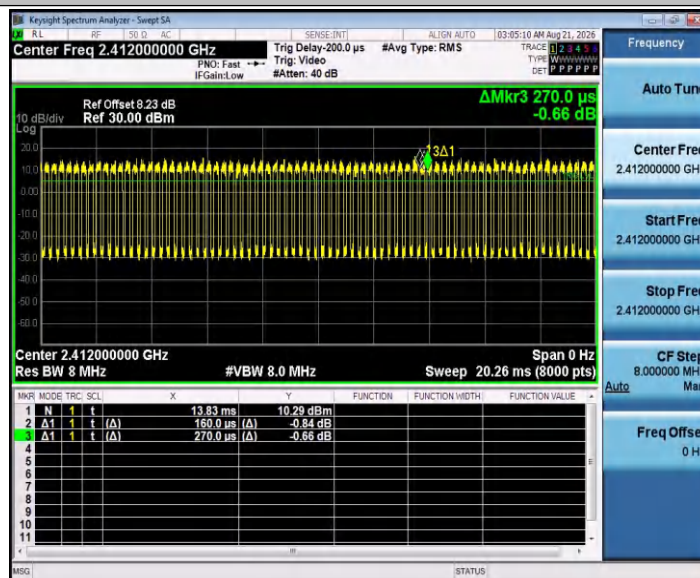
11G_Ant1_2437



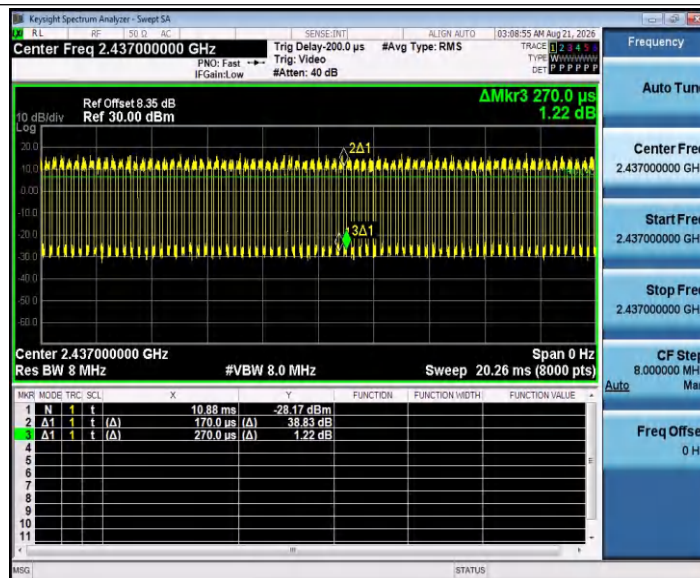
11G_Ant1_2462



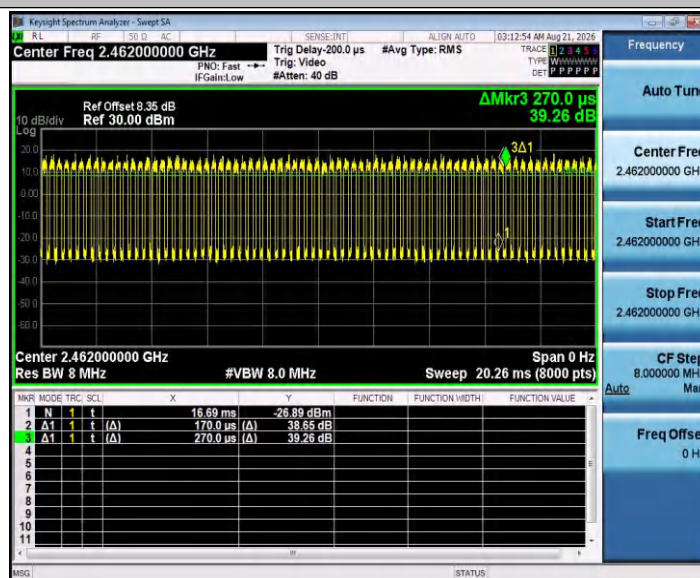
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



Appendix A.8: Emissions in Restricted Bands

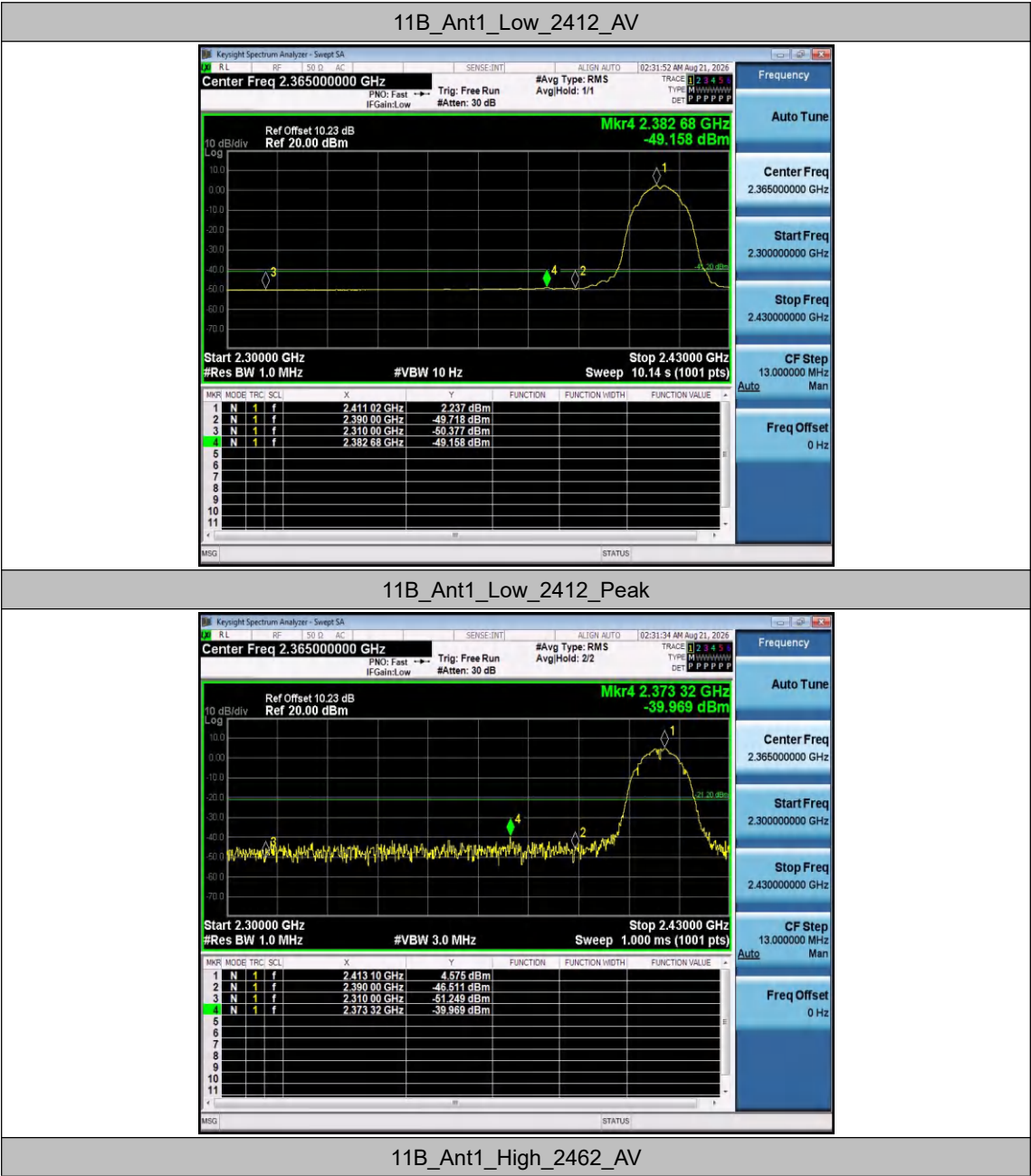
Test Result

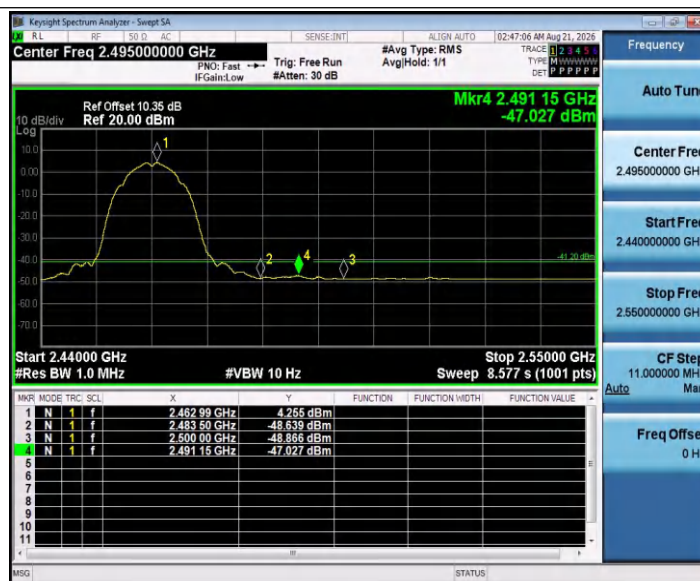
TestMode	Antenna	ChName	Frequenc y[MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11B	Ant1	Low	2412	AV	2310.000	-50.38	≤-41.20	44.82	≤54	PASS
				AV	2382.680	-49.16	≤-41.20	46.04	≤54	PASS
				AV	2390.000	-49.72	≤-41.20	45.48	≤54	PASS
				Peak	2310.000	-51.25	≤-21.20	43.95	≤74	PASS
				Peak	2373.320	-39.97	≤-21.20	55.23	≤74	PASS
				Peak	2390.000	-46.51	≤-21.20	48.69	≤74	PASS
		High	2462	AV	2483.500	-48.64	≤-41.20	46.56	≤54	PASS
				AV	2491.150	-47.03	≤-41.20	48.17	≤54	PASS
				AV	2500.000	-48.87	≤-41.20	46.33	≤54	PASS
				Peak	2483.500	-46.92	≤-21.20	48.28	≤74	PASS
				Peak	2486.970	-40	≤-21.20	55.20	≤74	PASS
				Peak	2500.000	-46.22	≤-21.20	48.98	≤74	PASS
11G	Ant1	Low	2412	AV	2310.000	-50.16	≤-41.20	45.04	≤54	PASS
				AV	2389.960	-47.25	≤-41.20	47.95	≤54	PASS
				AV	2390.000	-47.25	≤-41.20	47.95	≤54	PASS
				Peak	2310.000	-45.51	≤-21.20	49.69	≤74	PASS
				Peak	2385.540	-40.08	≤-21.20	55.12	≤74	PASS
				Peak	2390.000	-44.08	≤-21.20	51.12	≤74	PASS
		High	2462	AV	2483.500	-45.81	≤-41.20	49.39	≤54	PASS
				AV	2483.780	-45.04	≤-41.20	50.16	≤54	PASS
				AV	2500.000	-47.81	≤-41.20	47.39	≤54	PASS
				Peak	2483.500	-39.39	≤-21.20	55.81	≤74	PASS
				Peak	2484.660	-39.19	≤-21.20	56.01	≤74	PASS
				Peak	2500.000	-45.83	≤-21.20	49.37	≤74	PASS
11N20SIS O	Ant1	Low	2412	AV	2310.000	-49.11	≤-41.20	46.09	≤54	PASS
				AV	2389.570	-47.01	≤-41.20	48.19	≤54	PASS
				AV	2390.000	-47.44	≤-41.20	47.76	≤54	PASS
				Peak	2310.000	-43.55	≤-21.20	51.65	≤74	PASS
				Peak	2389.960	-39.42	≤-21.20	55.78	≤74	PASS
				Peak	2390.000	-39.42	≤-21.20	55.78	≤74	PASS
		High	2462	AV	2483.500	-44.63	≤-41.20	50.57	≤54	PASS
				AV	2484.000	-44.11	≤-41.20	51.09	≤54	PASS
				AV	2500.000	-47.28	≤-41.20	47.92	≤54	PASS
				Peak	2483.500	-32.01	≤-21.20	63.19	≤74	PASS
				Peak	2484.440	-36.05	≤-21.20	59.15	≤74	PASS
				Peak	2500.000	-40.93	≤-21.20	54.27	≤74	PASS

Note:

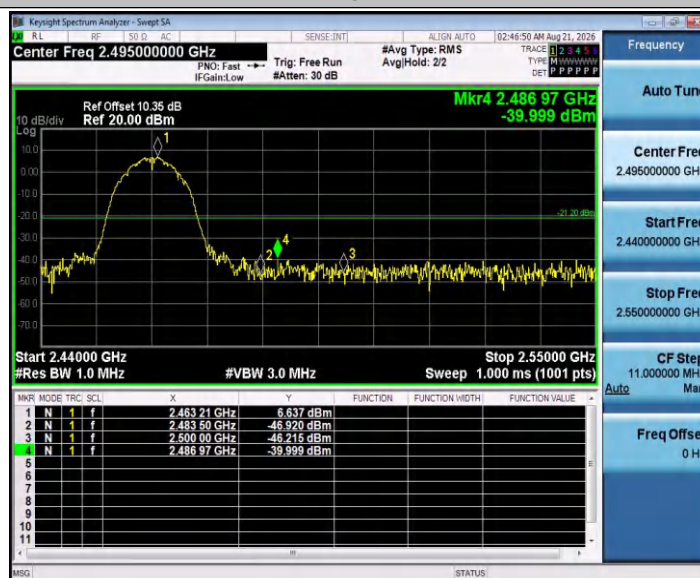
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

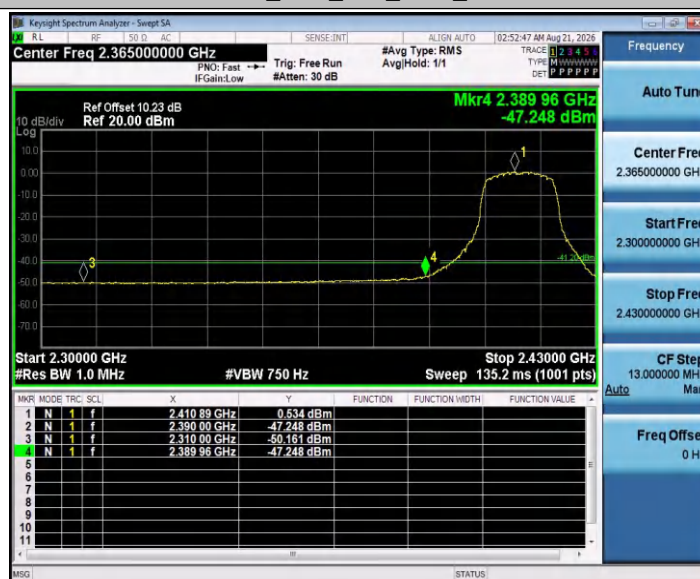




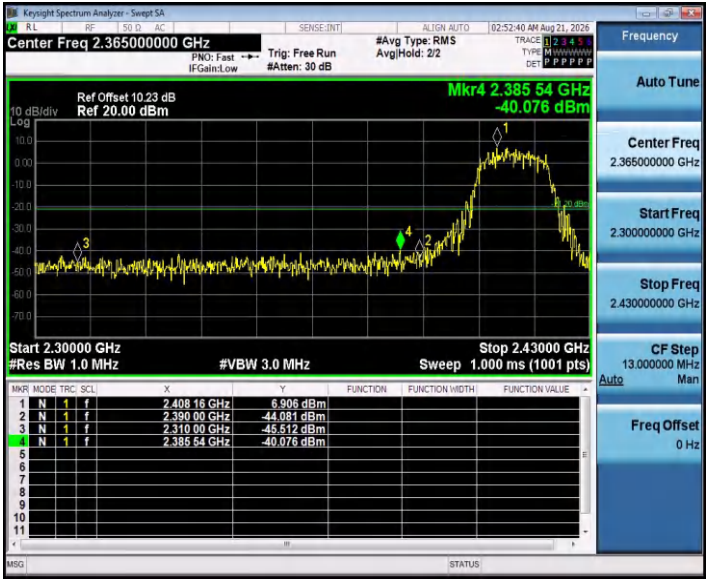
11B_Ant1_High_2462_Peak



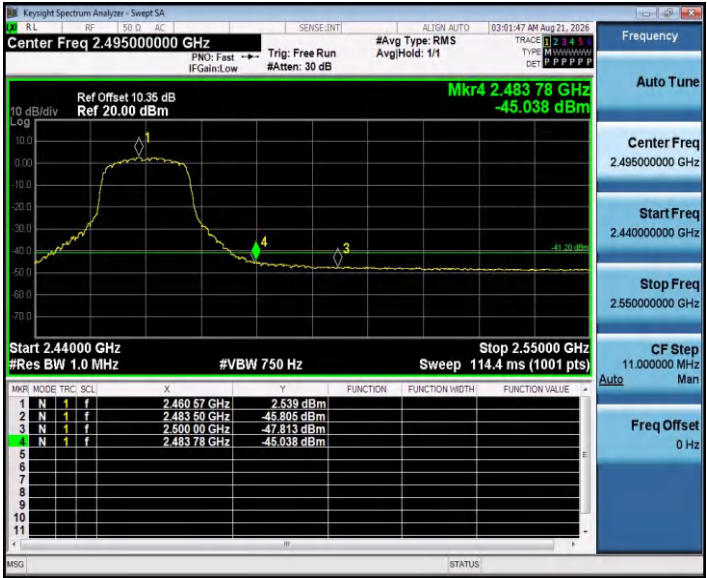
11G_Ant1_Low_2412_AV



11G_Ant1_Low_2412_Peak



11G_Ant1_High_2462_AV



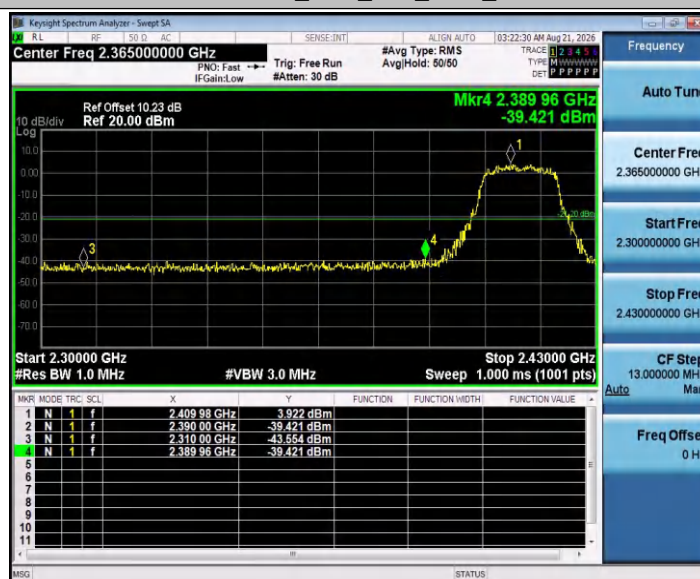
11G_Ant1_High_2462_Peak



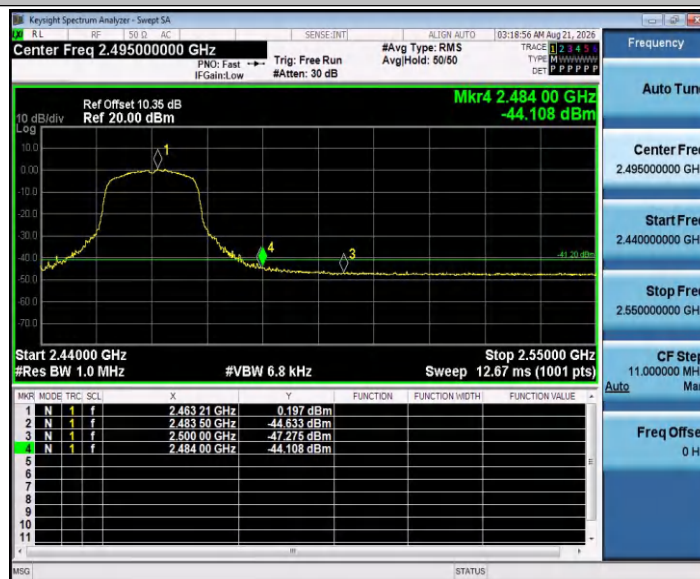
11N20SISO_Ant1_Low_2412_AV



11N20SISO_Ant1_Low_2412_Peak



11N20SISO_Ant1_High_2462_AV



11N20SISO_Ant1_High_2462_Peak

