

Case No. : <u>GTS20250509019-2-08</u>	
Ambient Condition: <u>23</u> °C, <u>52</u> %RH,	
Test Date: <u>2025.6.20</u>	Test Engineer: <u>Evan ouyang</u>

Appendix B.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.080	2406.800	2416.880	0.5	PASS
		2437	10.080	2431.760	2441.840	0.5	PASS
		2462	9.880	2456.840	2466.720	0.5	PASS
11G	Ant1	2412	14.960	2404.320	2419.280	0.5	PASS
		2437	15.040	2429.320	2444.360	0.5	PASS
		2462	15.000	2454.360	2469.360	0.5	PASS
11N20SISO	Ant1	2412	15.720	2403.680	2419.400	0.5	PASS
		2437	15.680	2428.680	2444.360	0.5	PASS
		2462	16.000	2453.320	2469.320	0.5	PASS
11AX20SISO	Ant1	2412	16.000	2403.440	2419.440	0.5	PASS
		2437	17.880	2428.080	2445.960	0.5	PASS
		2462	16.400	2453.080	2469.480	0.5	PASS

Test Graphs

11B_Ant1_2412



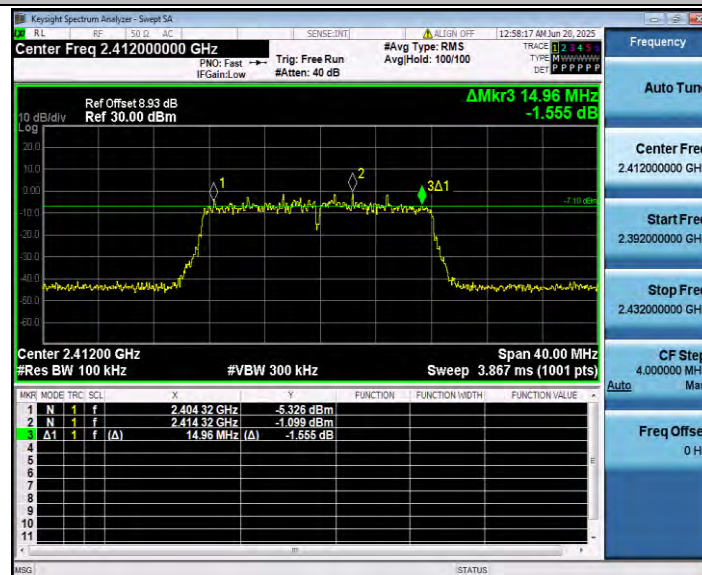
11B_Ant1_2437



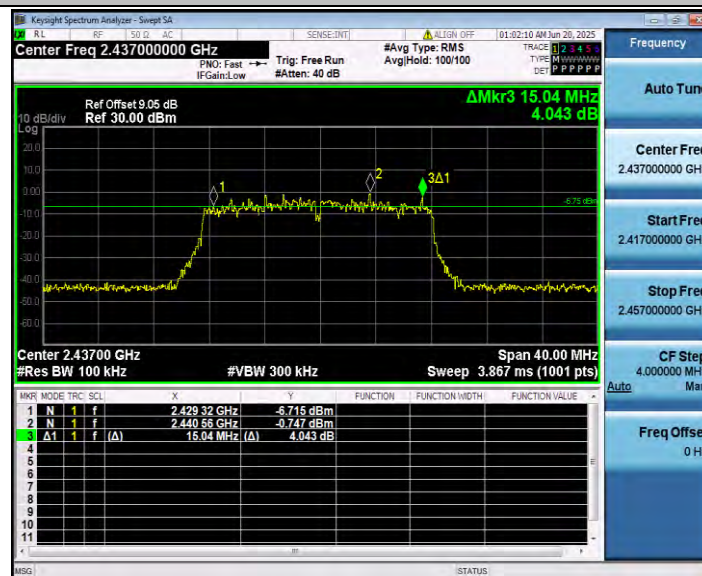
11B_Ant1_2462



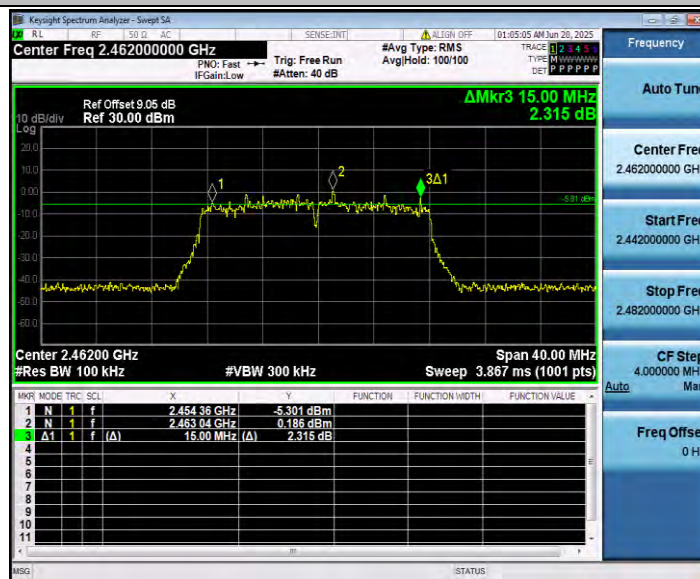
11G_Ant1_2412



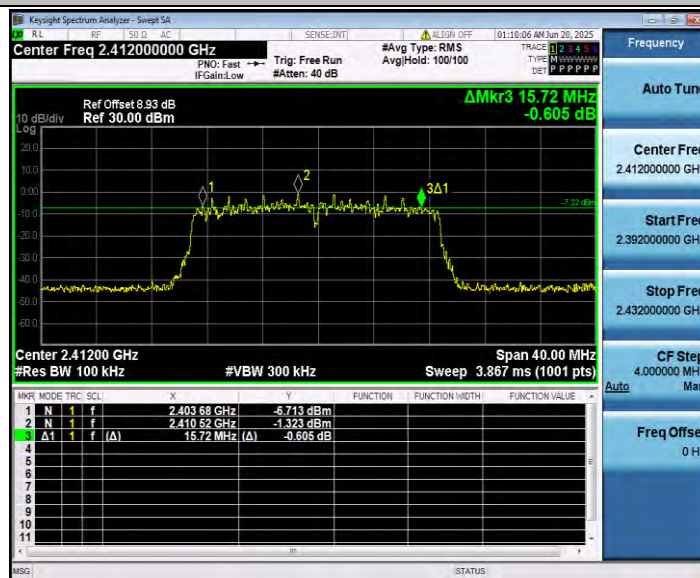
11G_Ant1_2437



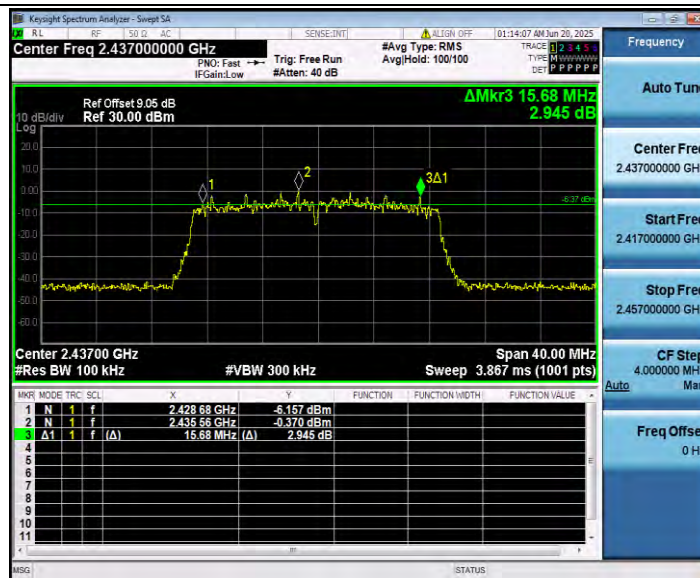
11G_Ant1_2462



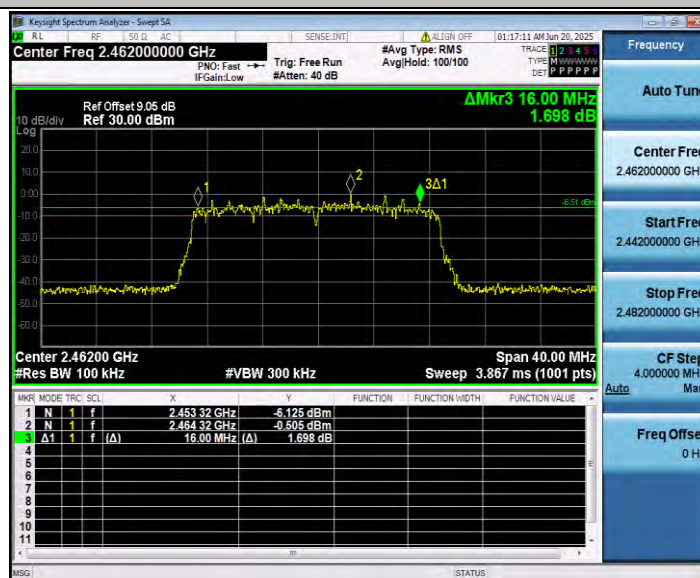
11N20SISO_Ant1_2412



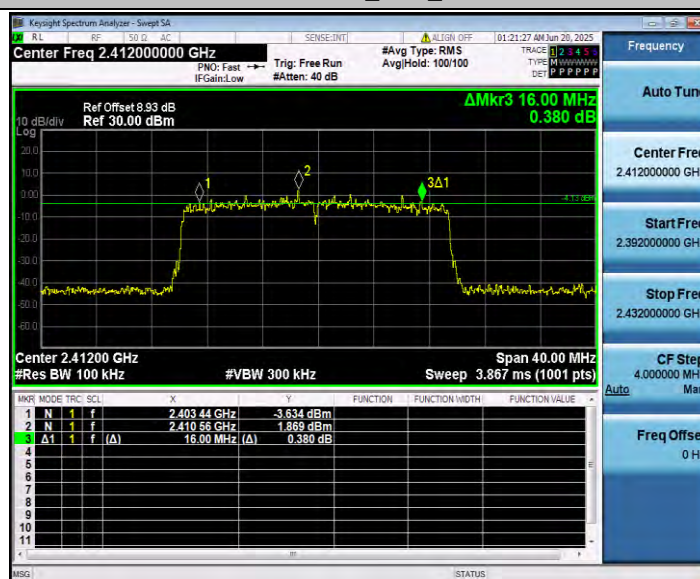
11N20SISO_Ant1_2437



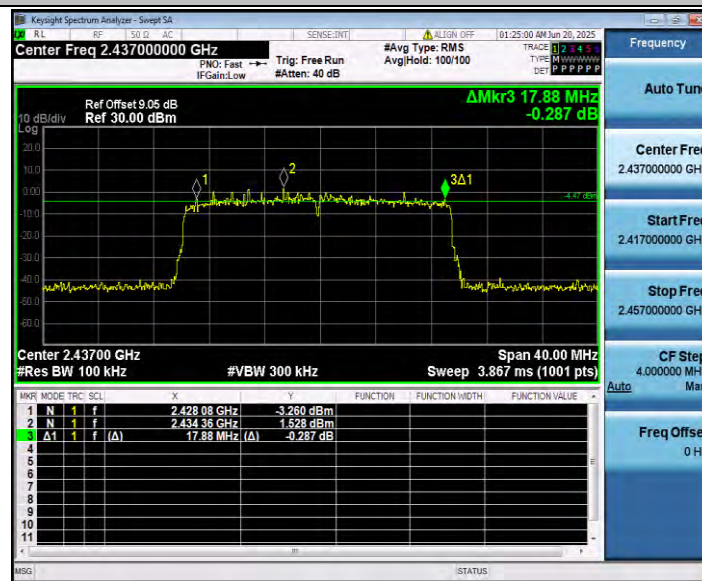
11N20SISO_Ant1_2462



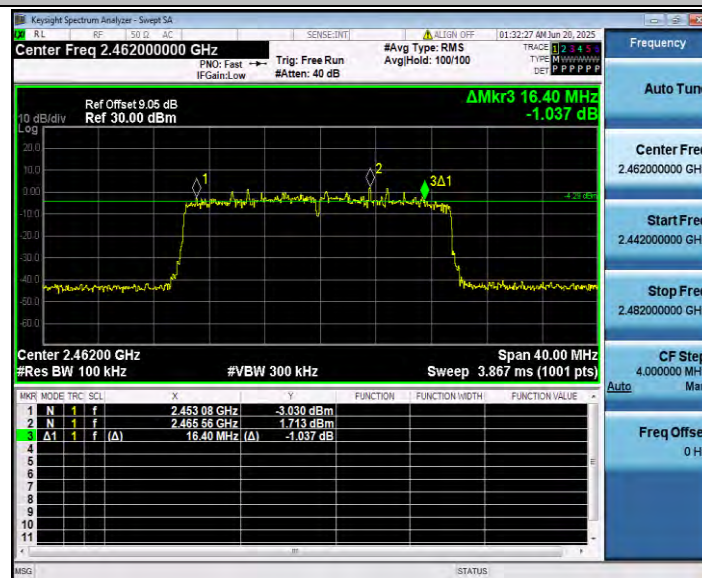
11AX20SISO_Ant1_2412



11AX20SISO_Ant1_2437



11AX20SISO_Ant1_2462



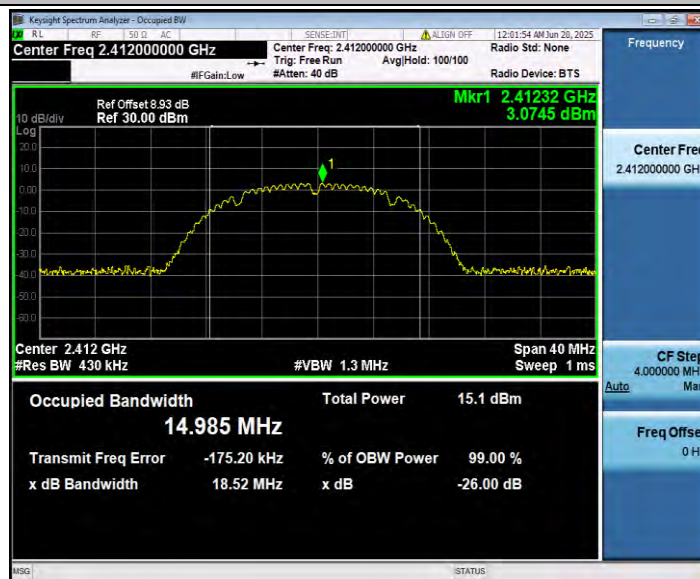
Appendix B.2: Occupied Channel Bandwidth

Test Result

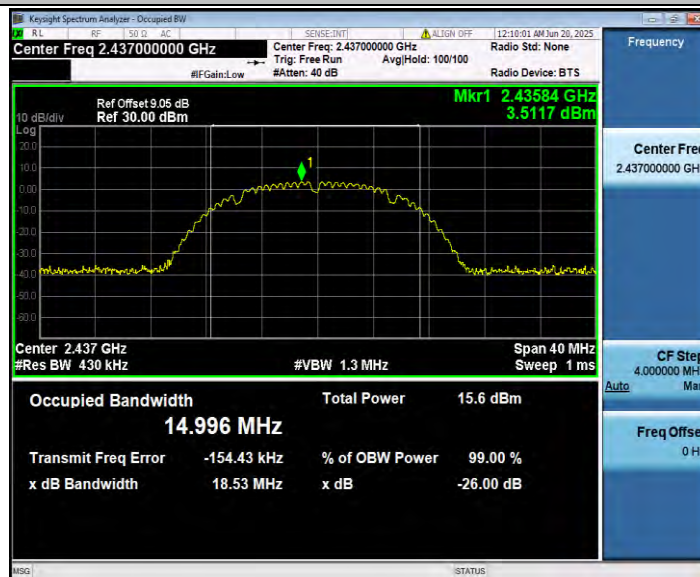
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.985	2404.3323	2419.3173	---	---
		2437	14.996	2429.3476	2444.3436	---	---
		2462	14.955	2454.3418	2469.2968	---	---
11G	Ant1	2412	16.386	2403.5857	2419.9717	---	---
		2437	16.325	2428.5892	2444.9142	---	---
		2462	16.344	2453.6146	2469.9586	---	---
11N20SISO	Ant1	2412	17.513	2403.0731	2420.5861	---	---
		2437	17.462	2428.0918	2445.5538	---	---
		2462	17.538	2453.0526	2470.5906	---	---
11AX20SISO	Ant1	2412	18.849	2402.3845	2421.2335	---	---
		2437	18.718	2427.4686	2446.1866	---	---
		2462	18.865	2452.4177	2471.2827	---	---

Test Graphs

11B_Ant1_2412



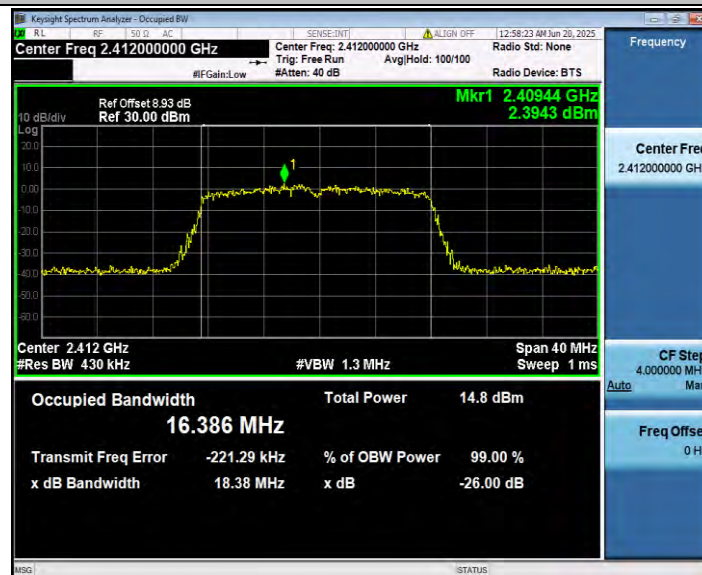
11B_Ant1_2437



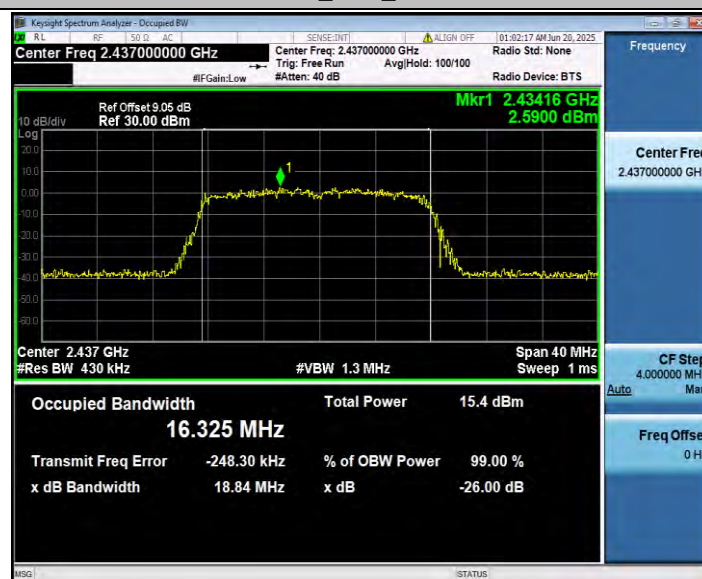
11B_Ant1_2462



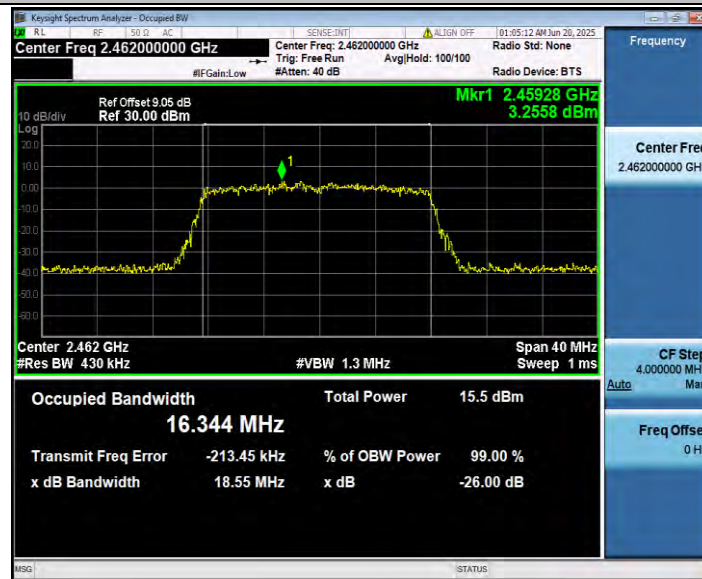
11G_Ant1_2412



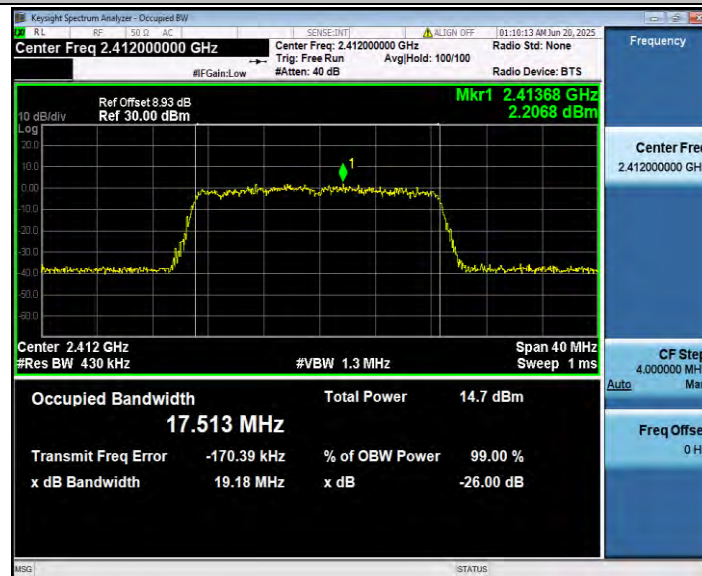
11G_Ant1_2437



11G_Ant1_2462



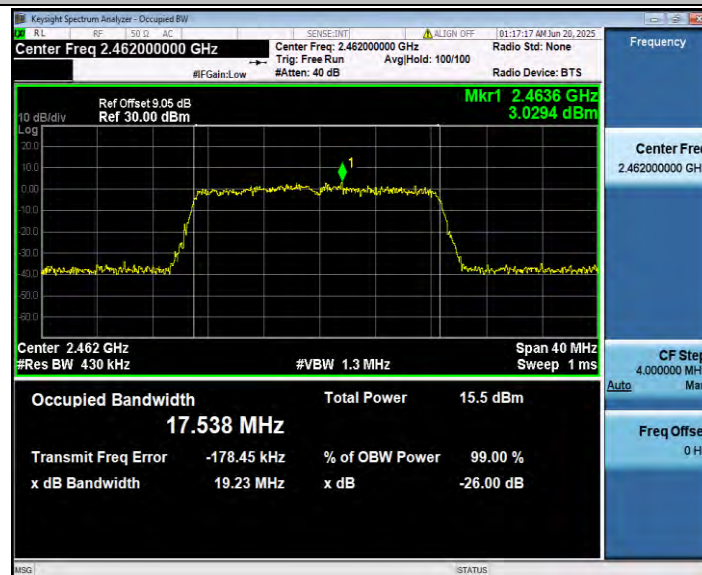
11N20SISO_Ant1_2412



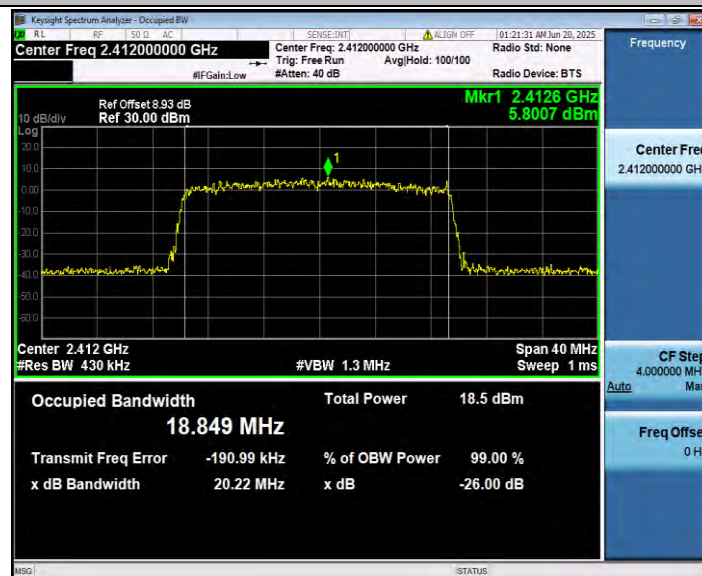
11N20SISO_Ant1_2437



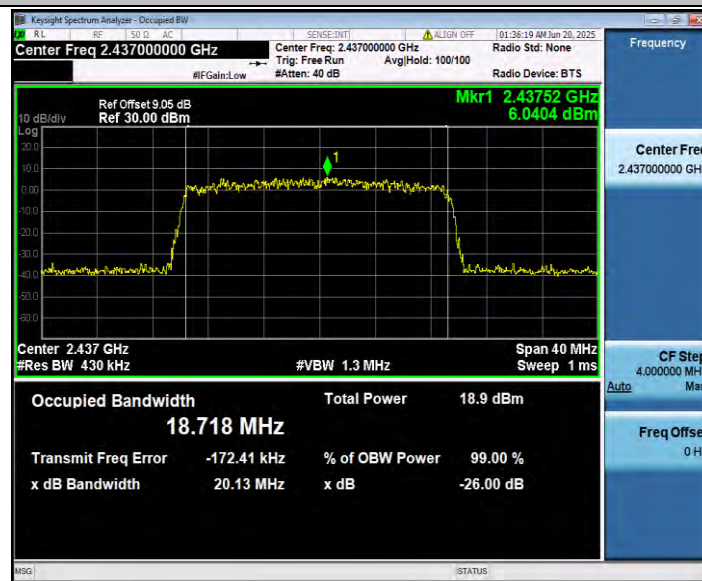
11N20SISO_Ant1_2462



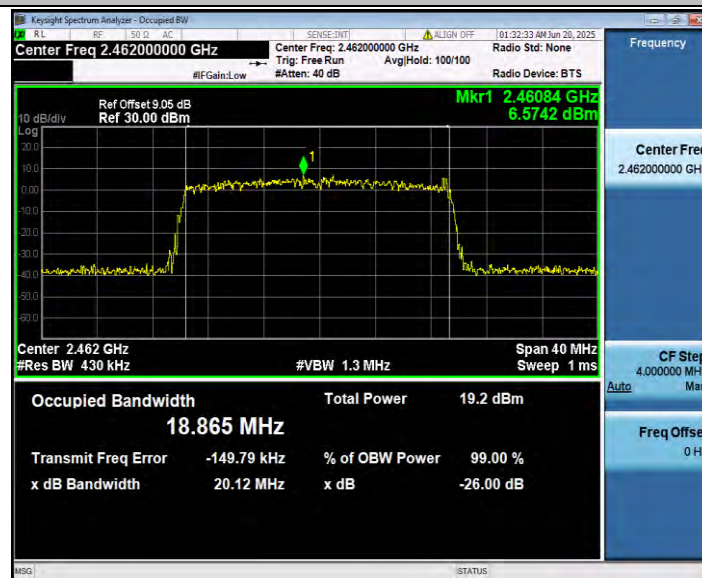
11AX20SISO_Ant1_2412



11AX20SISO_Ant1_2437



11AX20SISO_Ant1_2462



Appendix B.3: Maximum conducted output power

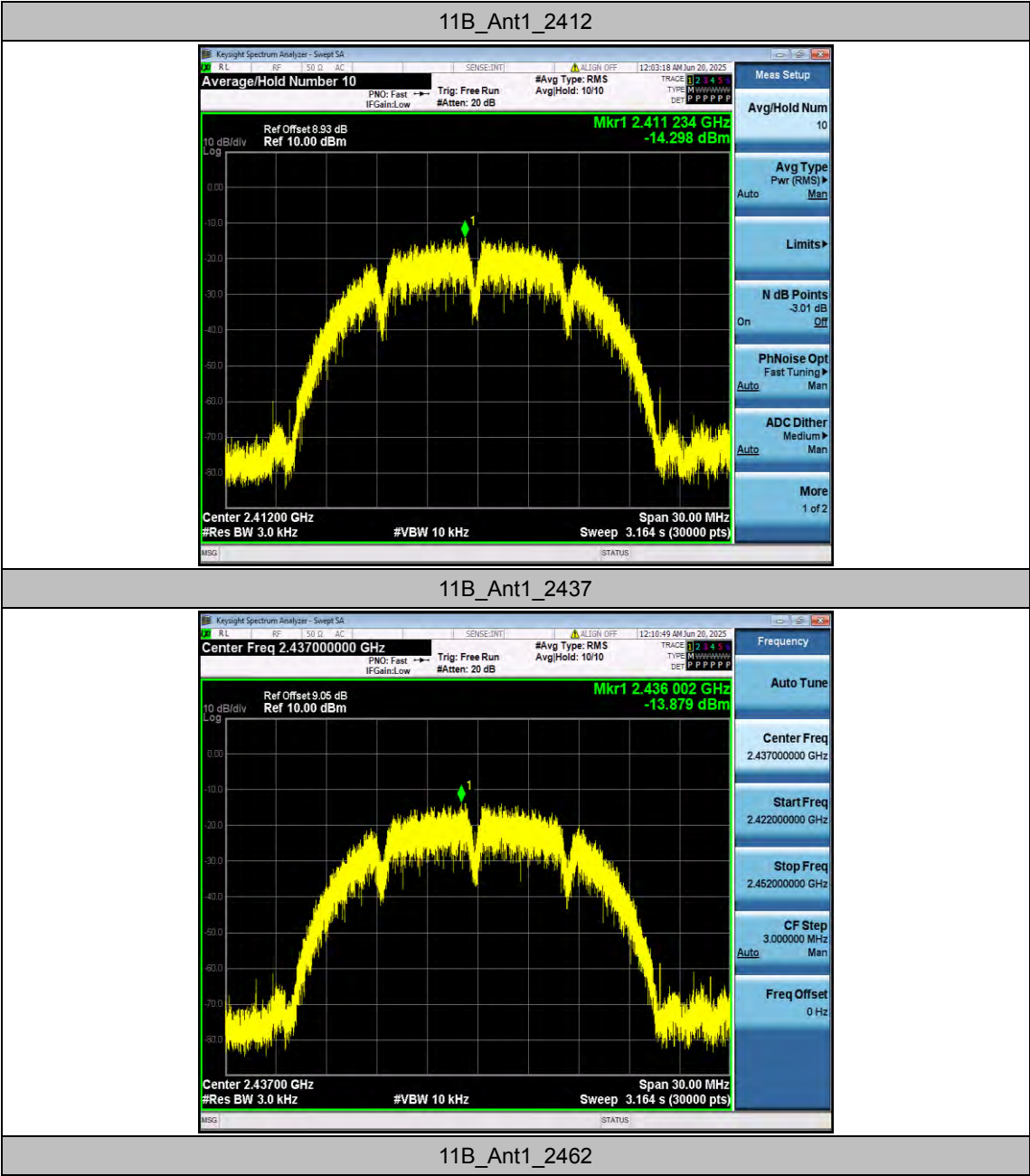
Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	15.23	≤30.00	PASS
		2437	15.67	≤30.00	PASS
		2462	15.95	≤30.00	PASS
11G	Ant1	2412	15.62	≤30.00	PASS
		2437	16.15	≤30.00	PASS
		2462	16.40	≤30.00	PASS
11N20SISO	Ant1	2412	15.47	≤30.00	PASS
		2437	16.02	≤30.00	PASS
		2462	16.16	≤30.00	PASS
11AX20SISO	Ant1	2412	18.44	≤30.00	PASS
		2437	21.12	≤30.00	PASS
		2462	19.41	≤30.00	PASS

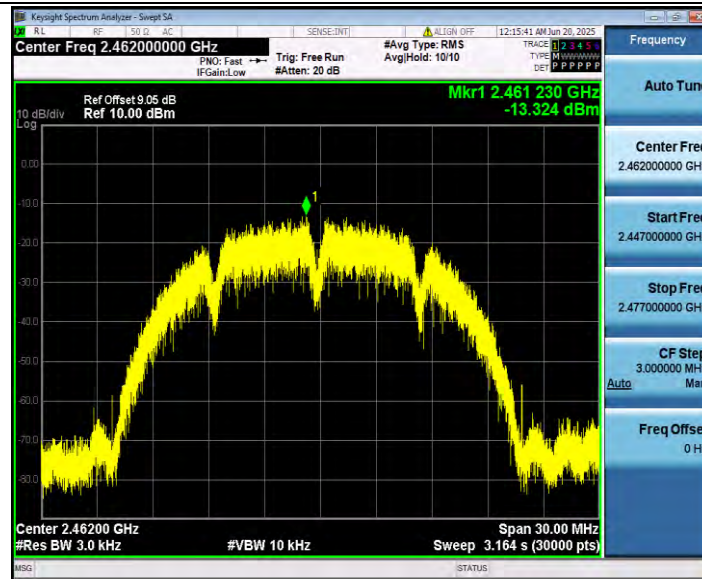
Appendix B.4: Maximum power spectral density

Test Result

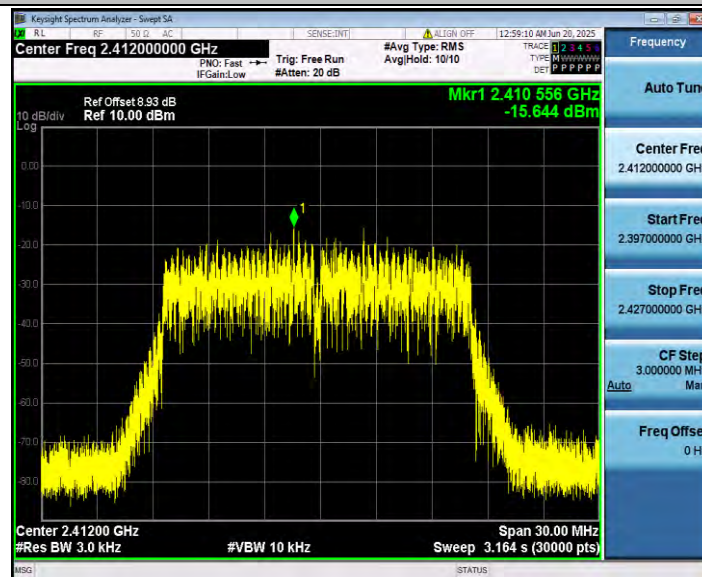
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-14.30	≤8.00	PASS
		2437	-13.88	≤8.00	PASS
		2462	-13.32	≤8.00	PASS
11G	Ant1	2412	-15.64	≤8.00	PASS
		2437	-15.10	≤8.00	PASS
		2462	-14.95	≤8.00	PASS
11N20SISO	Ant1	2412	-16.47	≤8.00	PASS
		2437	-15.77	≤8.00	PASS
		2462	-15.77	≤8.00	PASS
11AX20SISO	Ant1	2412	-14.69	≤8.00	PASS
		2437	-13.48	≤8.00	PASS
		2462	-13.42	≤8.00	PASS

Test Graphs

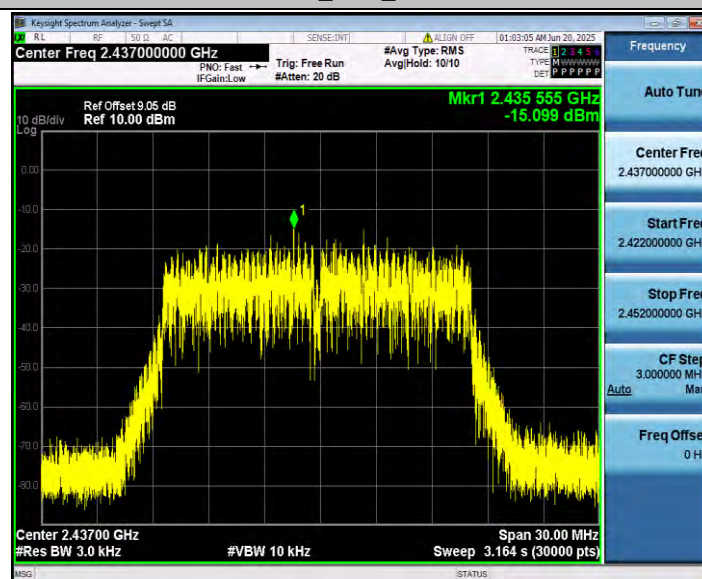




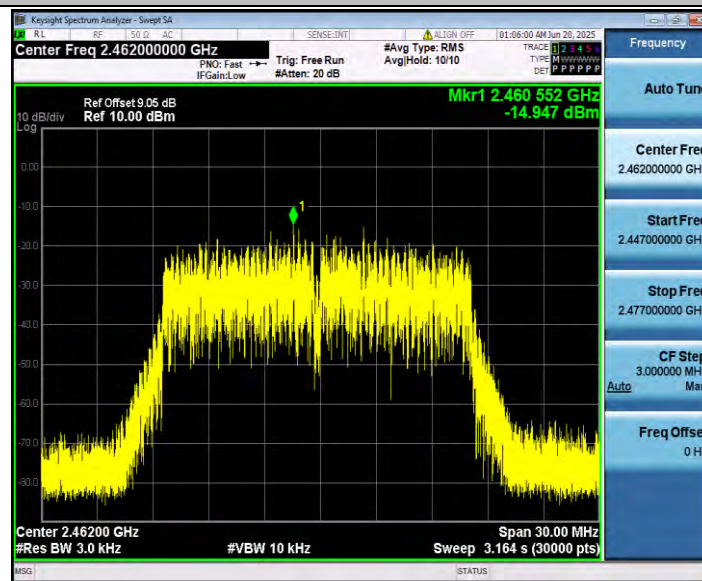
11G_Ant1_2412



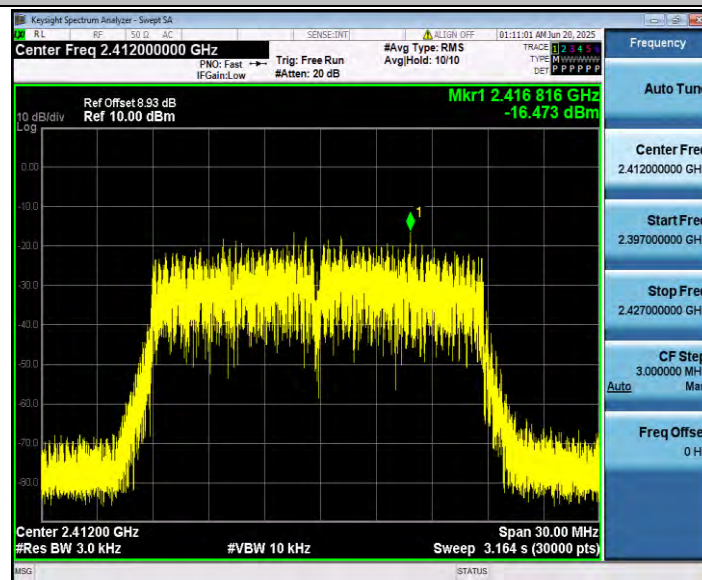
11G_Ant1_2437



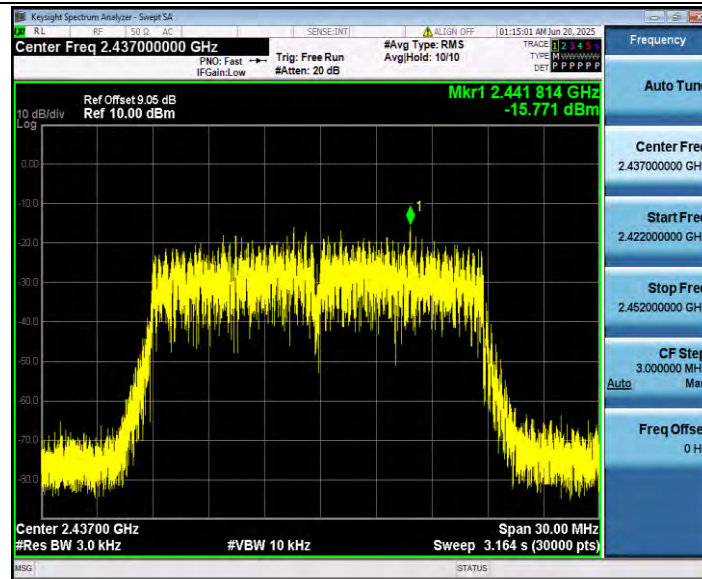
11G_Ant1_2462



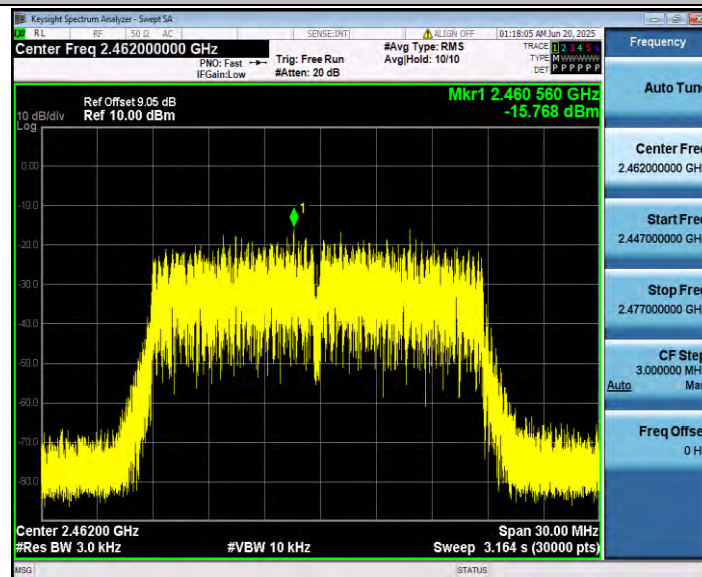
11N20SISO_Ant1_2412



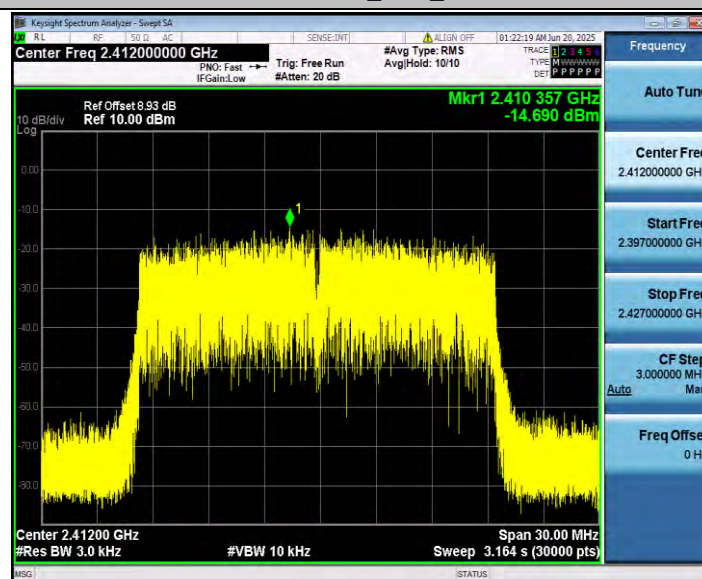
11N20SISO_Ant1_2437



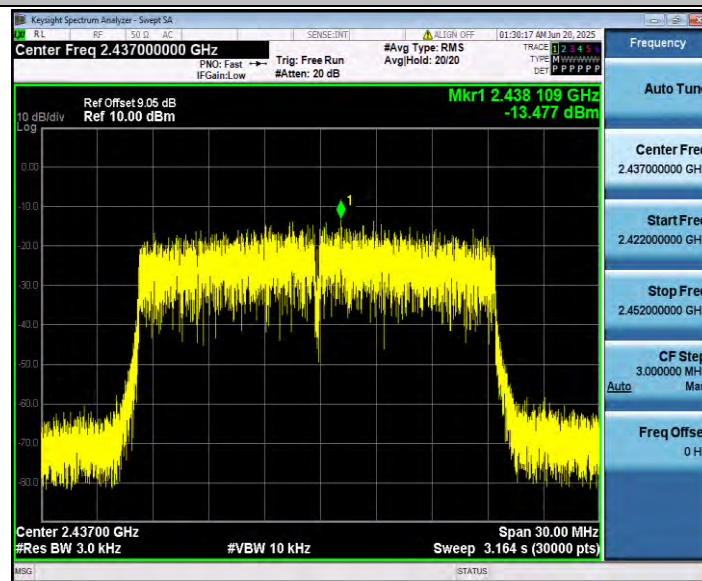
11N20SISO_Ant1_2462



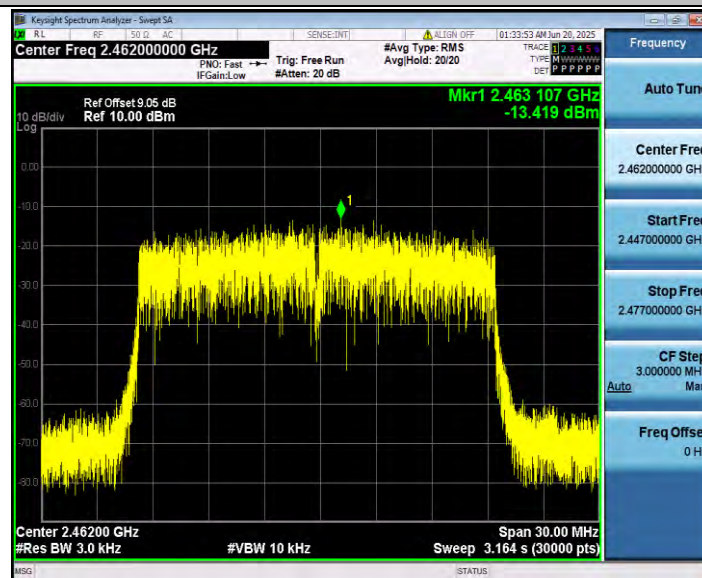
11AX20SISO_Ant1_2412



11AX20SISO_Ant1_2437



11AX20SISO_Ant1_2462

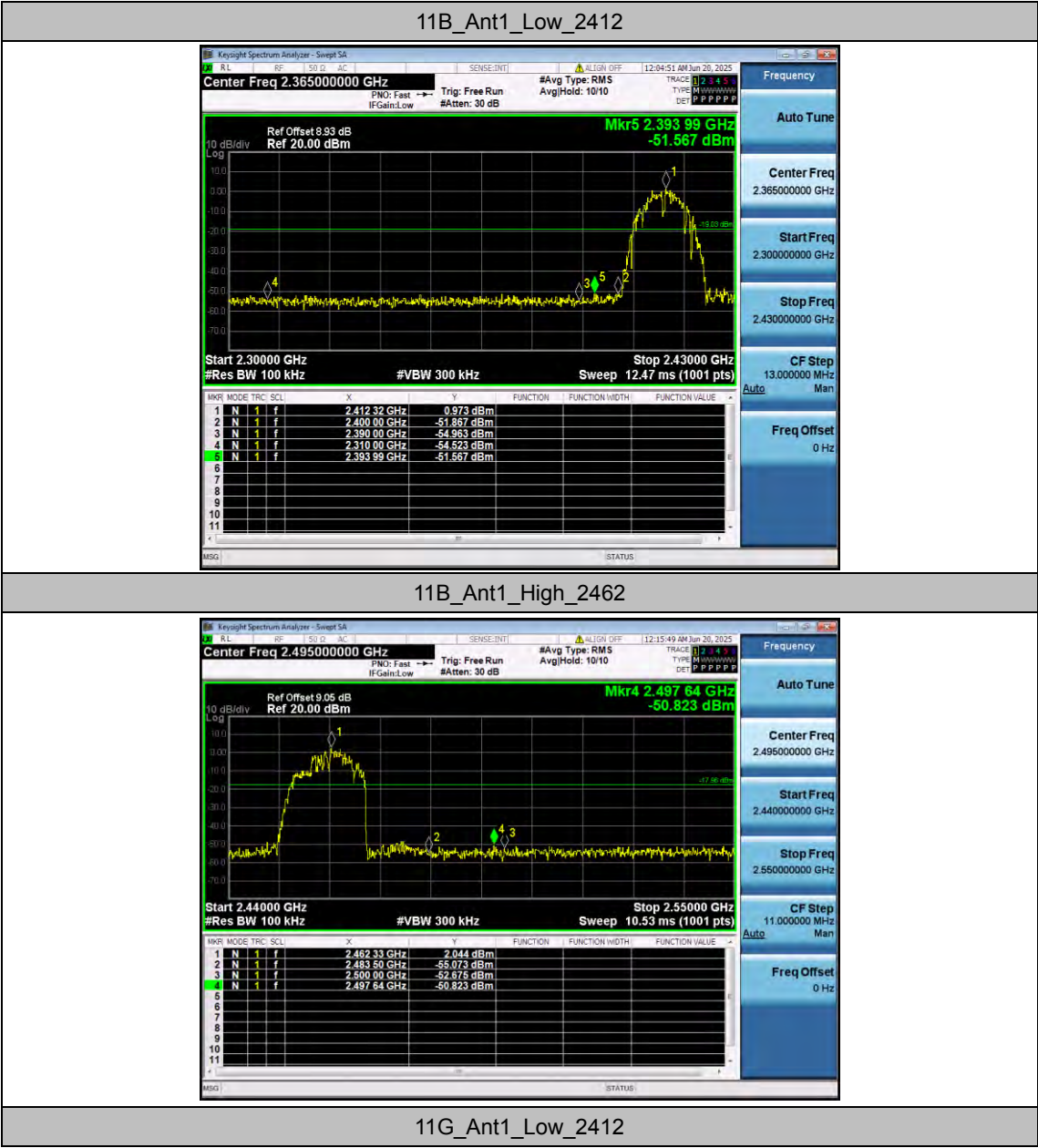


Appendix B.5: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	0.97	-51.57	≤ -19.03	PASS
		High	2462	2.04	-50.82	≤ -17.96	PASS
11G	Ant1	Low	2412	-3.36	-50.19	≤ -23.36	PASS
		High	2462	-1.40	-49.83	≤ -21.4	PASS
11N20SISO	Ant1	Low	2412	-1.41	-50.41	≤ -21.41	PASS
		High	2462	-1.66	-49.4	≤ -21.66	PASS
11AX20SISO	Ant1	Low	2412	-0.69	-46.65	≤ -20.69	PASS
		High	2462	2.61	-50.16	≤ -17.39	PASS

Test Graphs



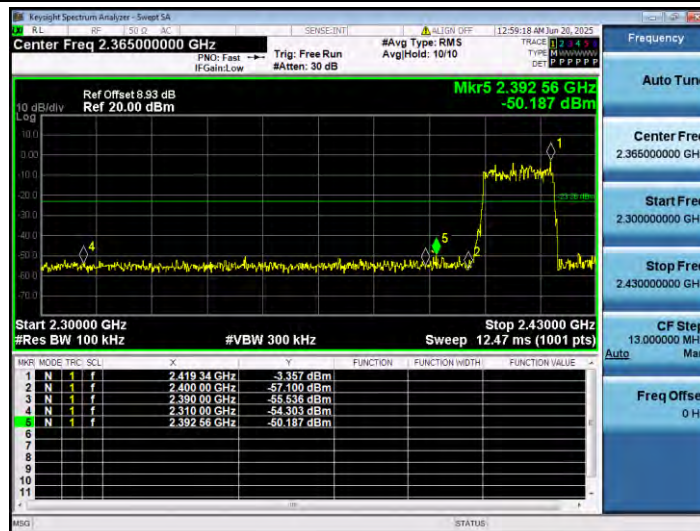
11B_Ant1_High_2462

Frequency

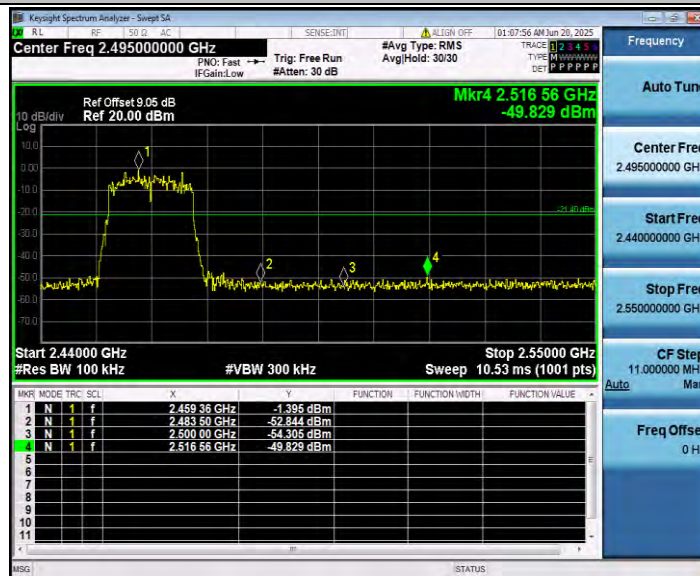
Auto Tune

Center Freq
2.495000000 GHzStart Freq
2.440000000 GHzStop Freq
2.550000000 GHzCF Step
11.000000 MHz
Auto ManFreq Offset
0 Hz

11G_Ant1_Low_2412



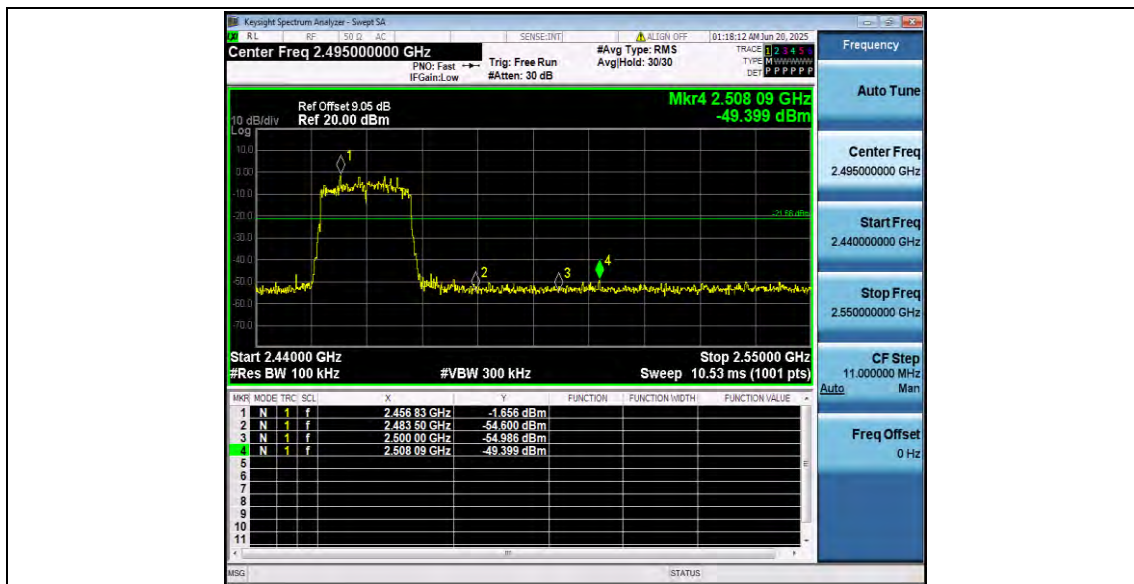
11G_Ant1_High_2462



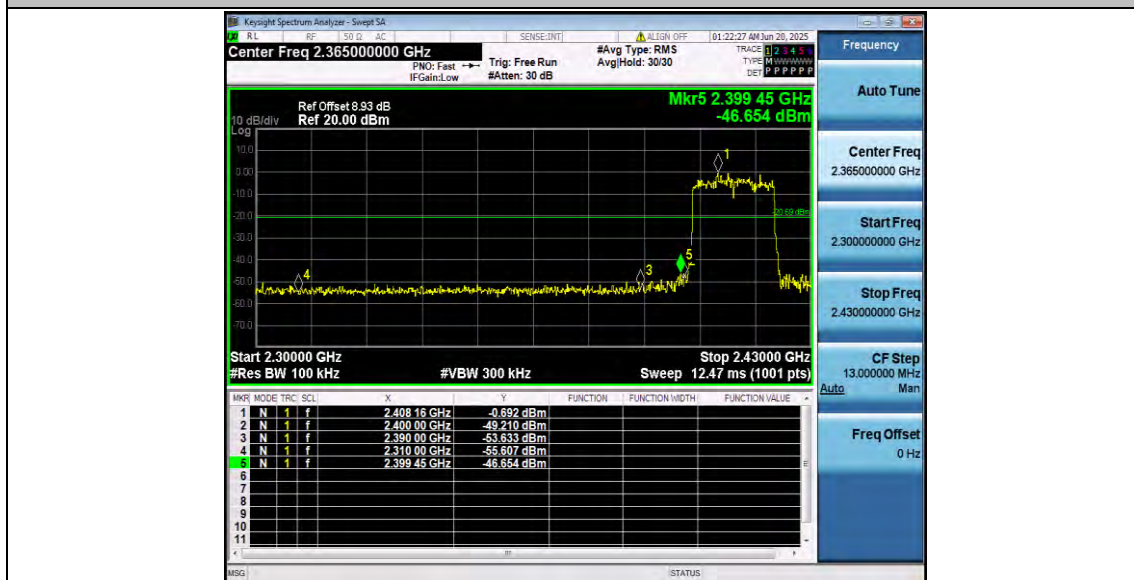
11N20SISO_Ant1_Low_2412



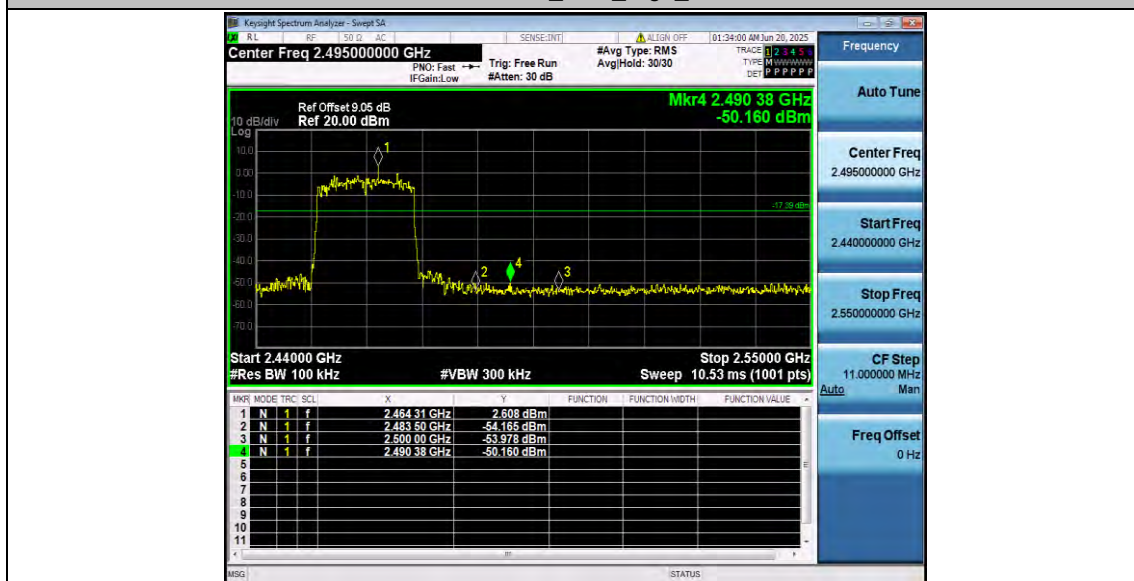
11N20SISO_Ant1_High_2462



11AX20SISO_Ant1_Low_2412



11AX20SISO_Ant1_High_2462

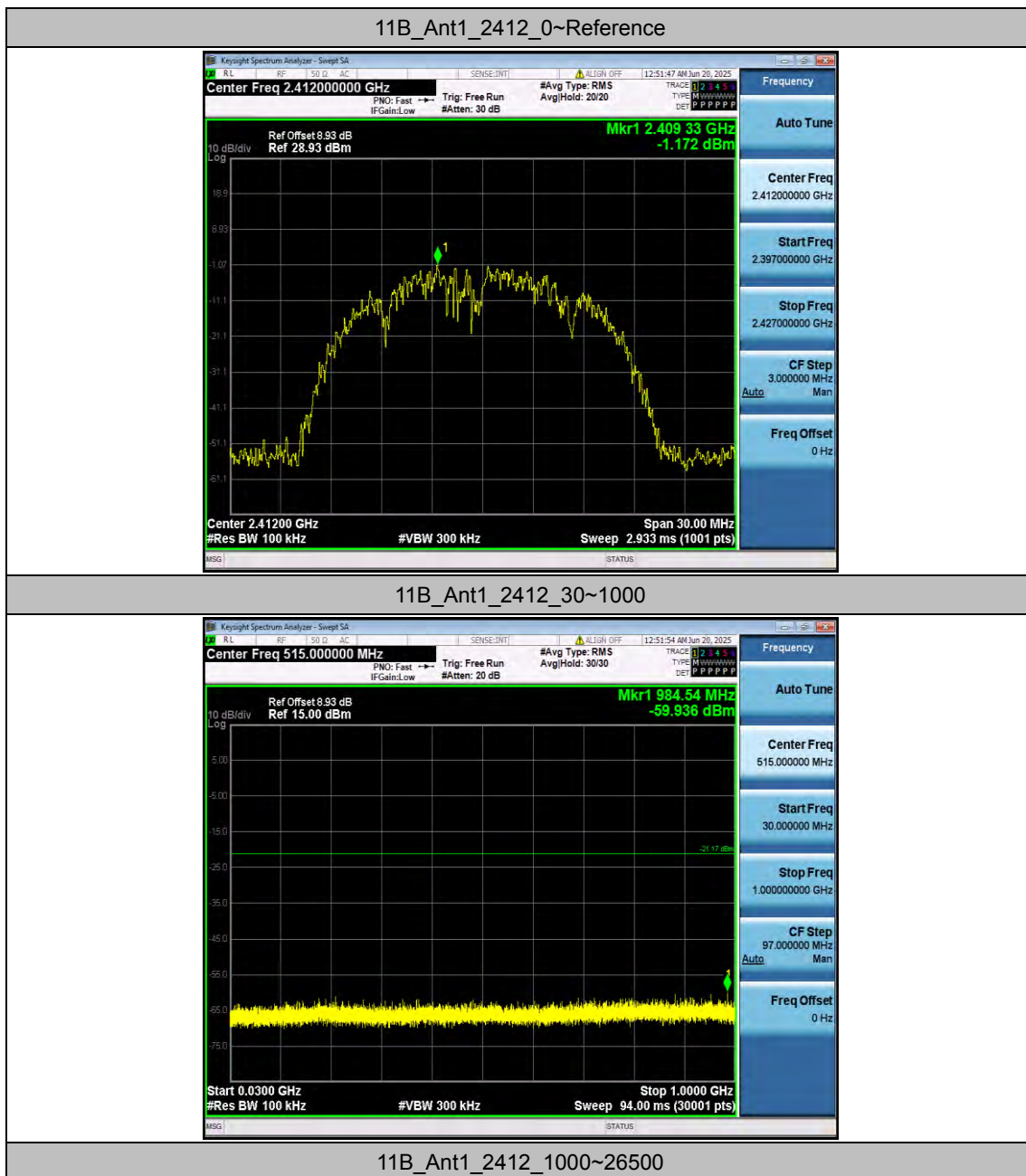


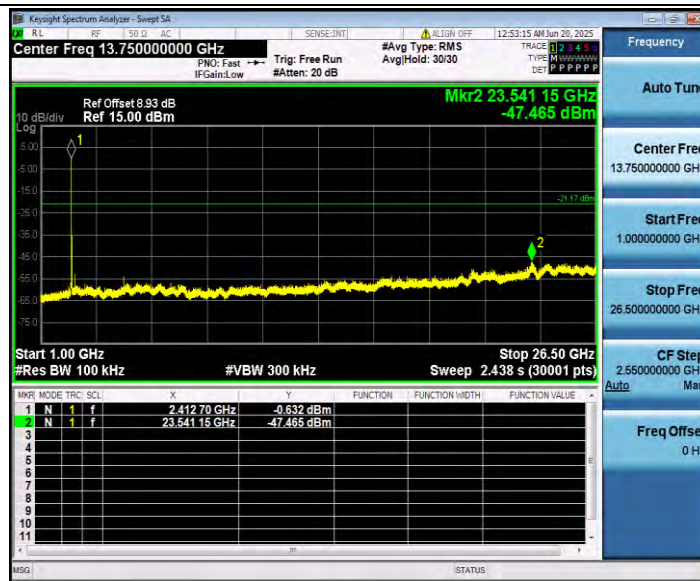
Appendix B.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-1.17	-1.17	---	PASS
			30~1000	-1.17	-59.94	≤ -21.17	PASS
			1000~26500	-1.17	-47.47	≤ -21.17	PASS
		2437	Reference	-1.00	-1.00	---	PASS
			30~1000	-1.00	-60.15	≤ -21	PASS
			1000~26500	-1.00	-46.96	≤ -21	PASS
		2462	Reference	-0.14	-0.14	---	PASS
			30~1000	-0.14	-60.98	≤ -20.14	PASS
			1000~26500	-0.14	-46.73	≤ -20.14	PASS
11G	Ant1	2412	Reference	-1.60	-1.60	---	PASS
			30~1000	-1.60	-59.99	≤ -21.6	PASS
			1000~26500	-1.60	-47.8	≤ -21.6	PASS
		2437	Reference	-1.83	-1.83	---	PASS
			30~1000	-1.83	-58.77	≤ -21.83	PASS
			1000~26500	-1.83	-47.51	≤ -21.83	PASS
		2462	Reference	-0.70	-0.70	---	PASS
			30~1000	-0.70	-60.56	≤ -20.7	PASS
			1000~26500	-0.70	-47.78	≤ -20.7	PASS
11N20SISO	Ant1	2412	Reference	-1.99	-1.99	---	PASS
			30~1000	-1.99	-61	≤ -21.99	PASS
			1000~26500	-1.99	-47.87	≤ -21.99	PASS
		2437	Reference	-1.43	-1.43	---	PASS
			30~1000	-1.43	-60.52	≤ -21.43	PASS
			1000~26500	-1.43	-47.21	≤ -21.43	PASS
		2462	Reference	-0.78	-0.78	---	PASS
			30~1000	-0.78	-60.81	≤ -20.78	PASS
			1000~26500	-0.78	-47.42	≤ -20.78	PASS
11AX20SISO	Ant1	2412	Reference	0.18	0.18	---	PASS
			30~1000	0.18	-60.56	≤ -19.82	PASS
			1000~26500	0.18	-47.44	≤ -19.82	PASS
		2437	Reference	1.82	1.82	---	PASS
			30~1000	1.82	-60.94	≤ -18.18	PASS
			1000~26500	1.82	-47.33	≤ -18.18	PASS
		2462	Reference	1.75	1.75	---	PASS
			30~1000	1.75	-60.23	≤ -18.25	PASS
			1000~26500	1.75	-47.92	≤ -18.25	PASS

Test Graphs

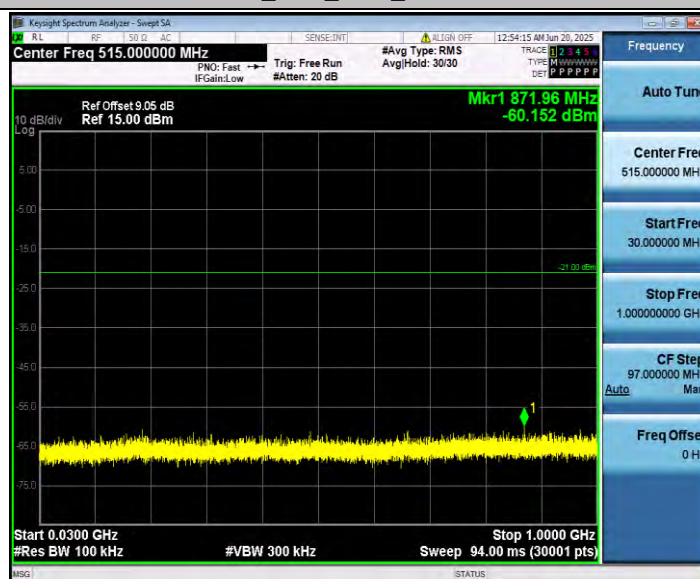




11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



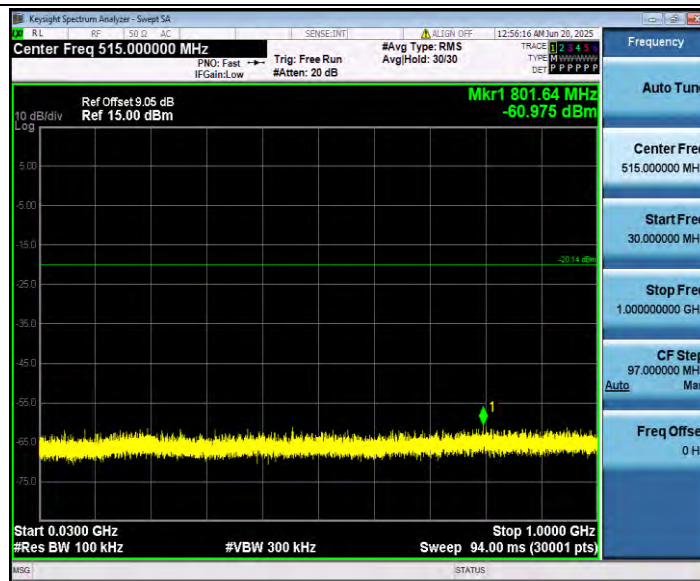
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



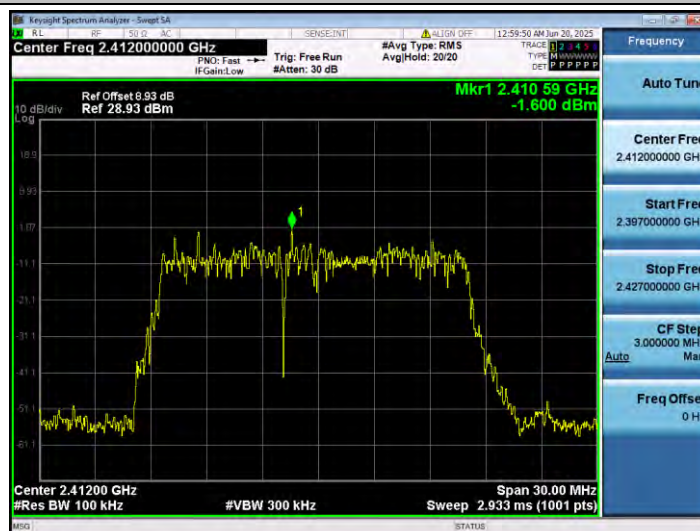
11B_Ant1_2462_30~1000



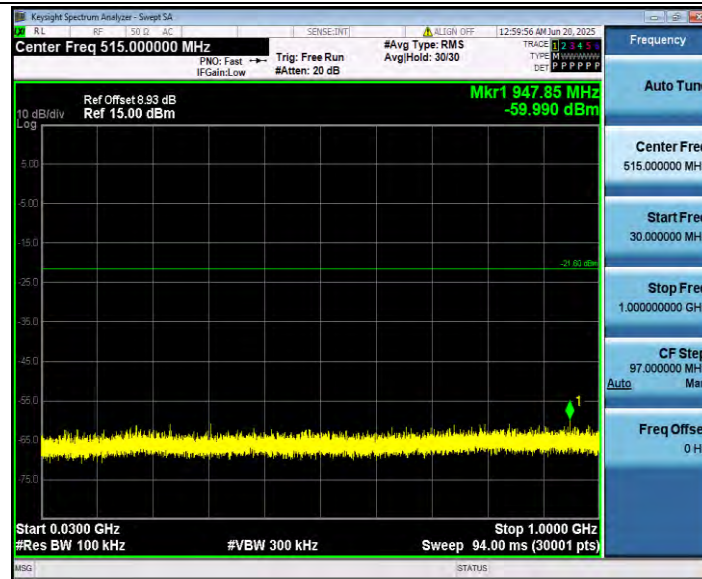
11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



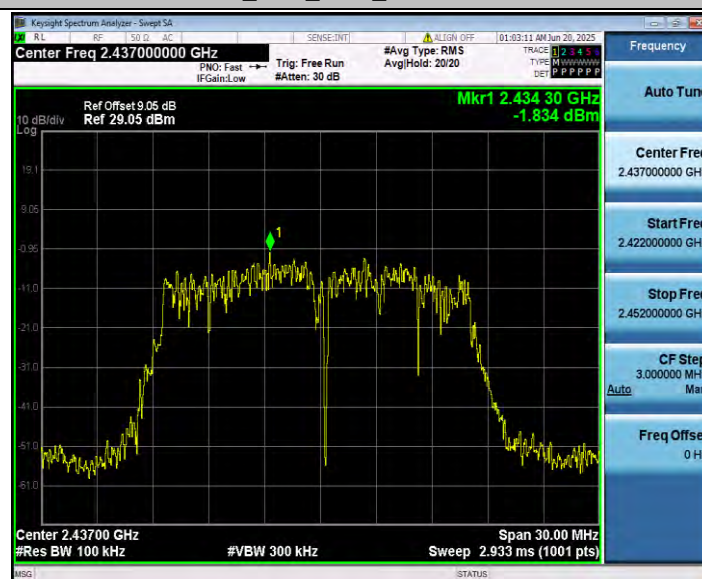
11G_Ant1_2412_30~1000

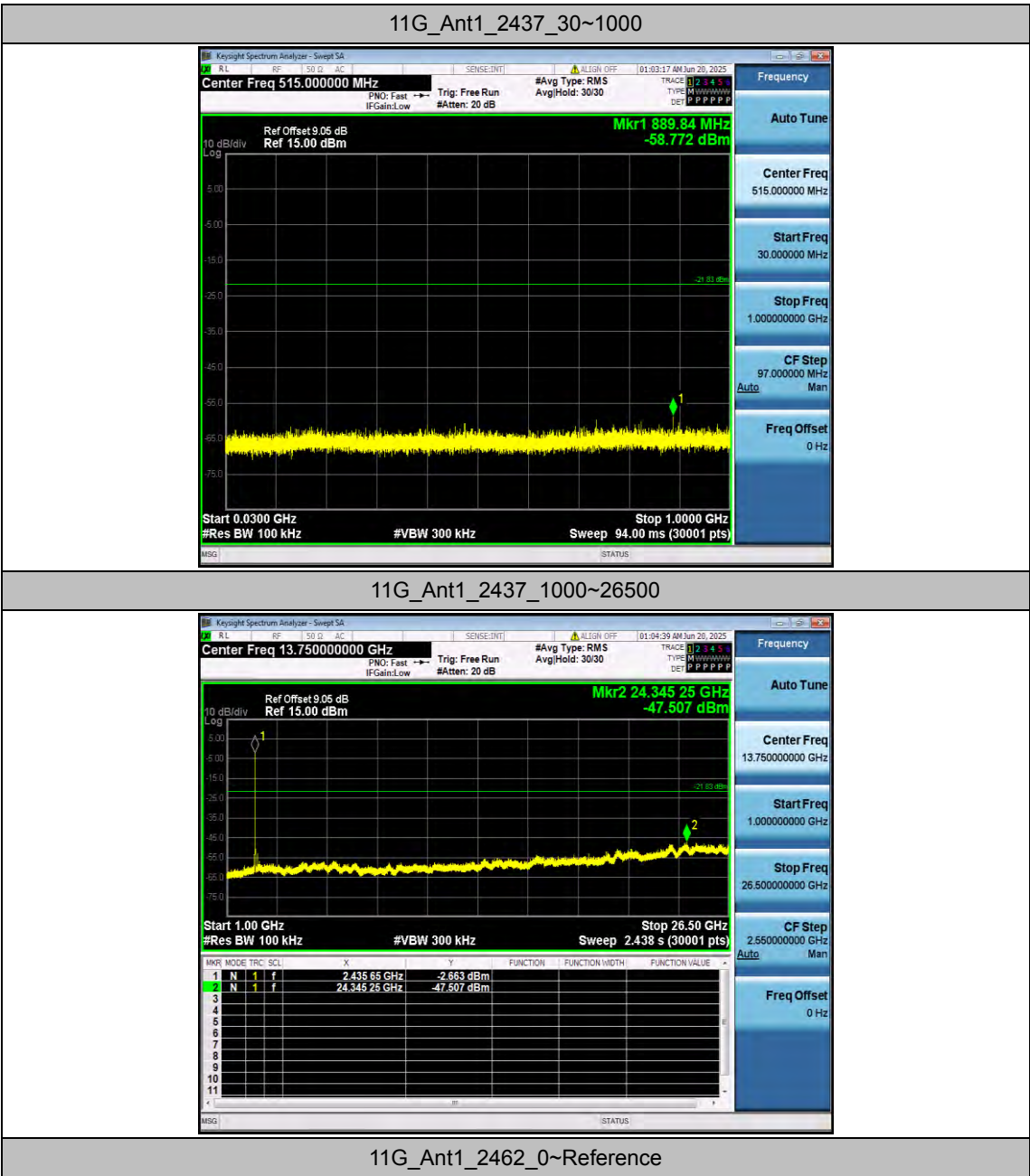


11G_Ant1_2412_1000~26500



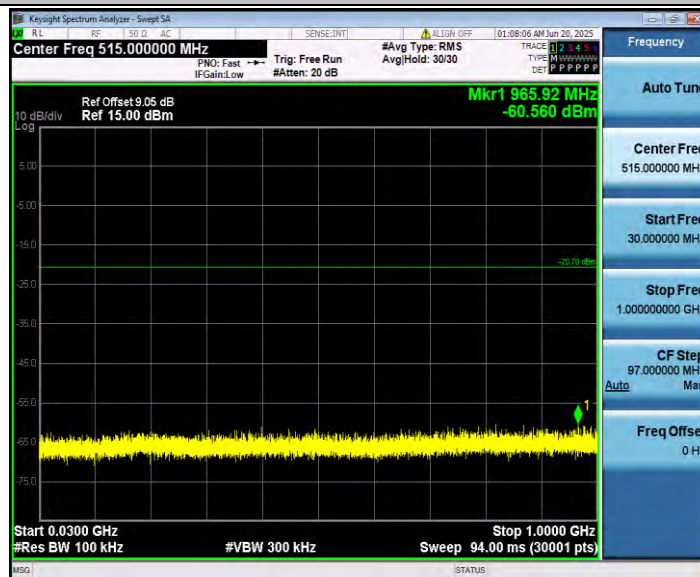
11G_Ant1_2437_0~Reference



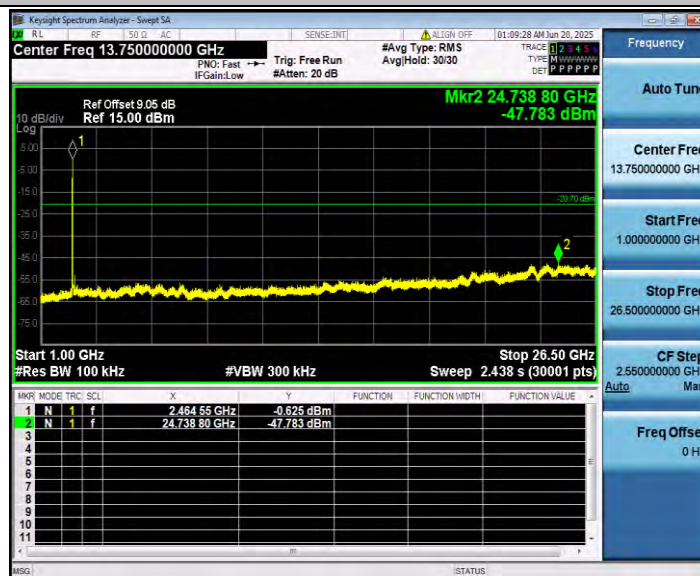




11G_Ant1_2462_30~1000



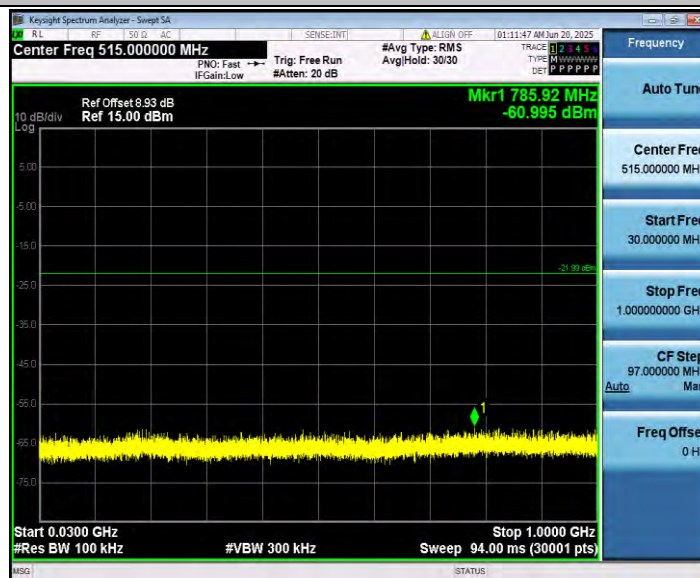
11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



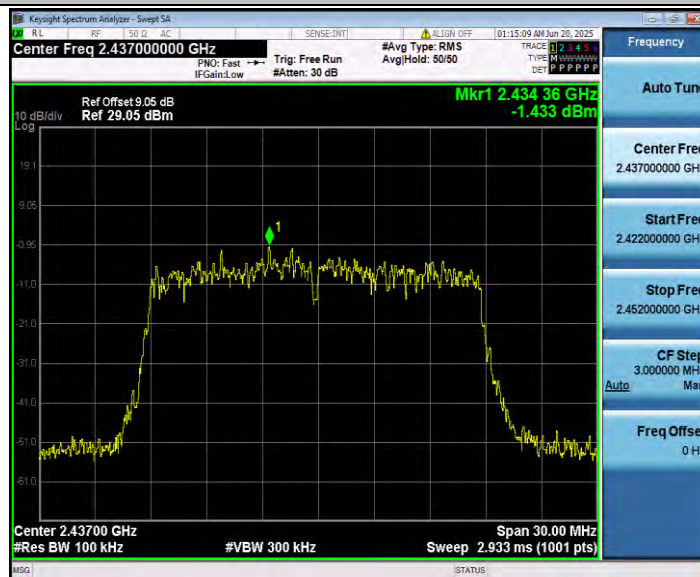
11N20SISO_Ant1_2412_30~1000



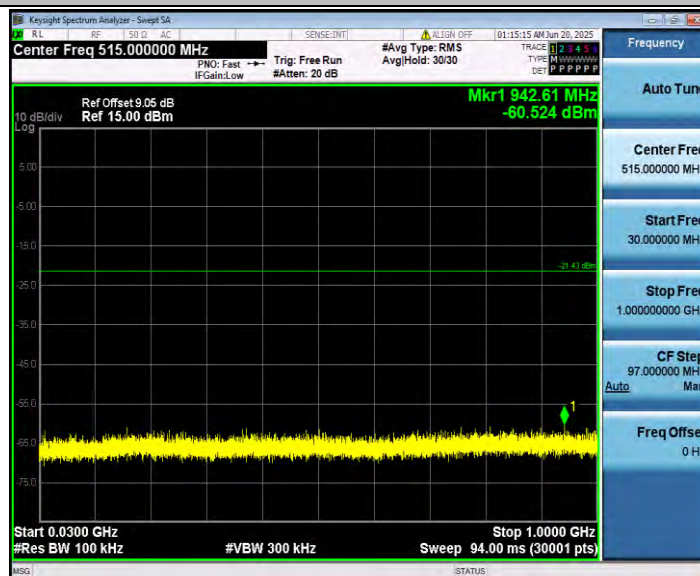
11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



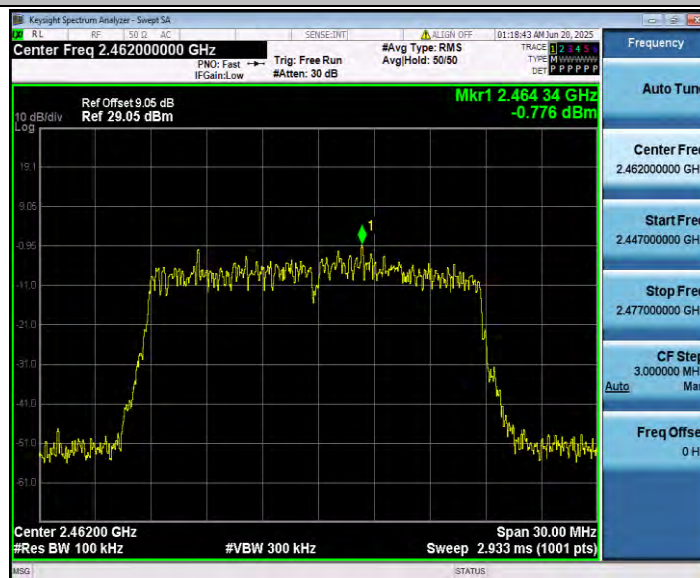
11N20SISO_Ant1_2437_30~1000



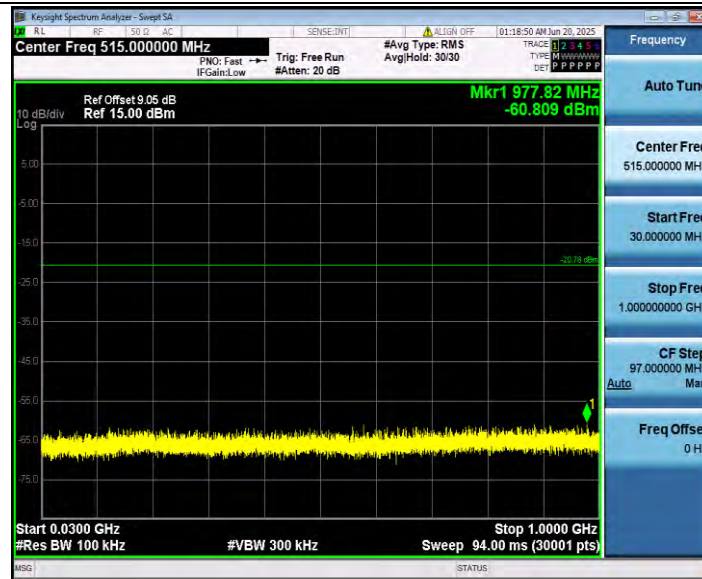
11N20SISO_Ant1_2437_1000~26500



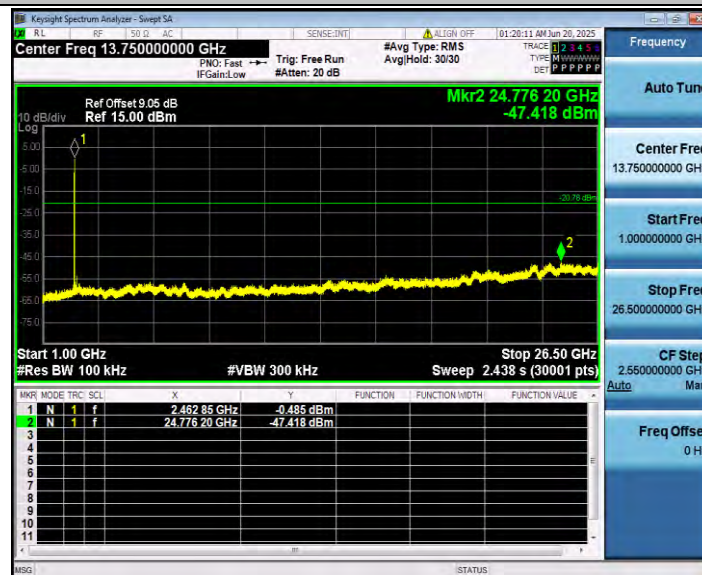
11N20SISO_Ant1_2462_0~Reference



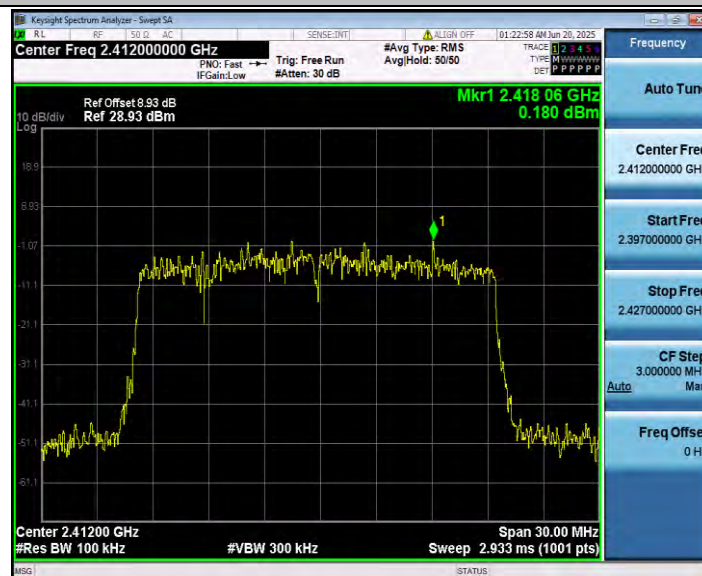
11N20SISO_Ant1_2462_30~1000



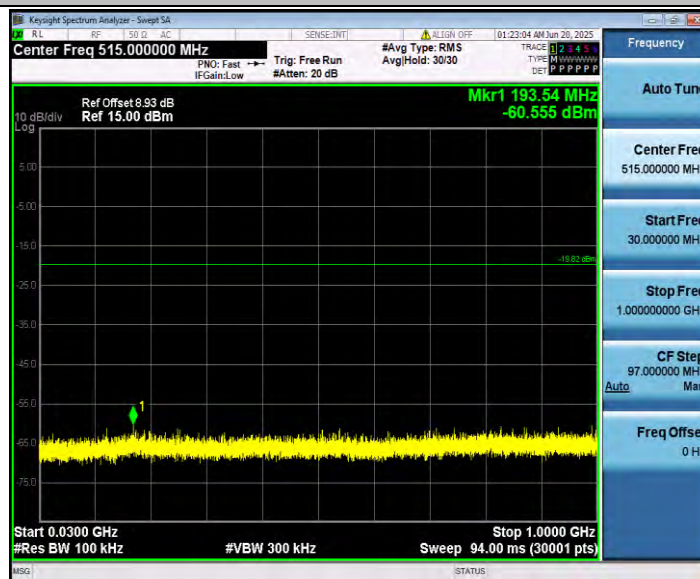
11N20SISO_Ant1_2462_1000~26500



11AX20SISO_Ant1_2412_0~Reference



11AX20SISO_Ant1_2412_30~1000



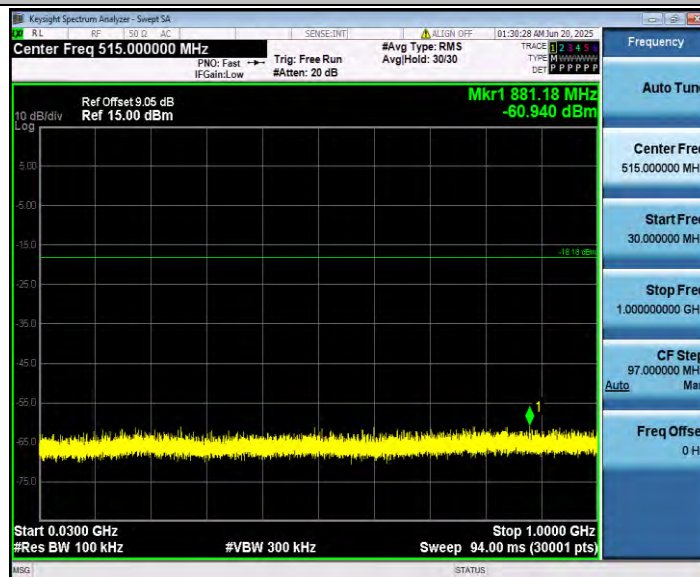
11AX20SISO_Ant1_2412_1000~26500



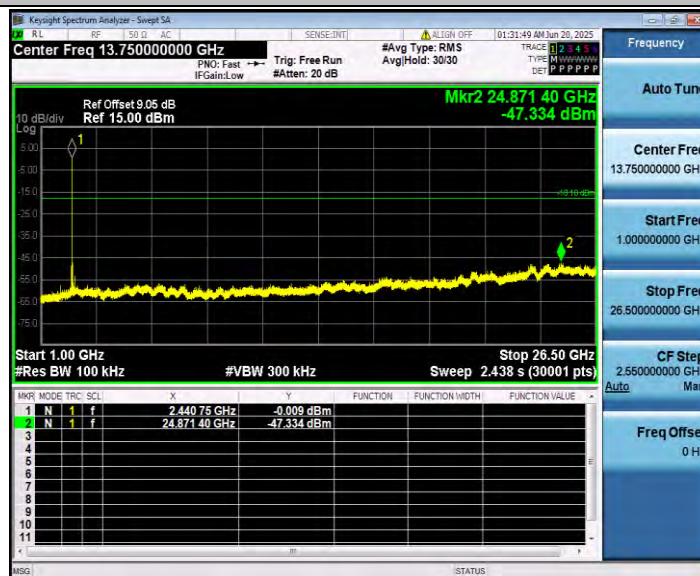
11AX20SISO_Ant1_2437_0~Reference



11AX20SISO_Ant1_2437_30~1000



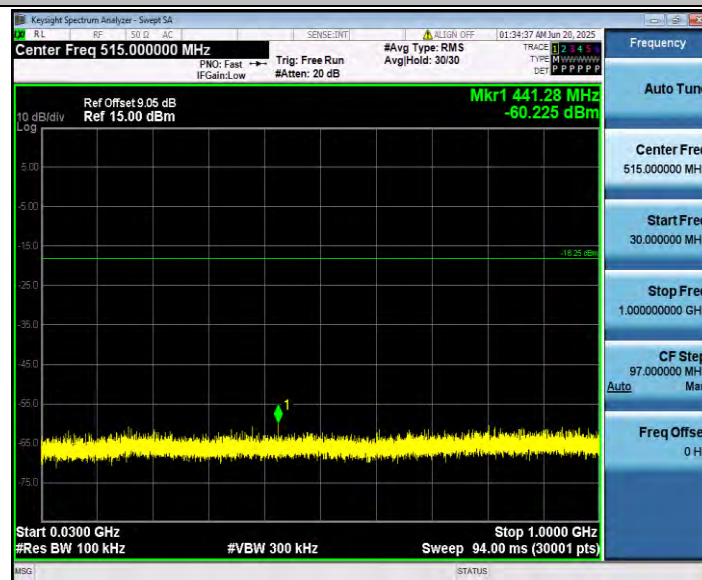
11AX20SISO_Ant1_2437_1000~26500



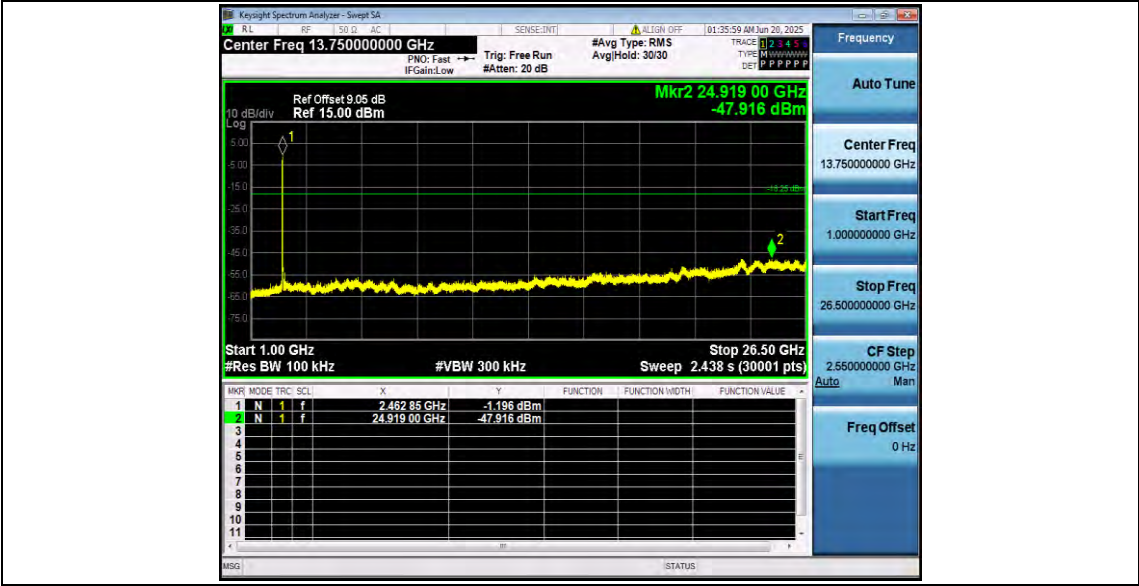
11AX20SISO_Ant1_2462_0~Reference



11AX20SISO_Ant1_2462_30~1000



11AX20SISO_Ant1_2462_1000~26500



Appendix B.7: Emissions in Restricted Bands

Test Result

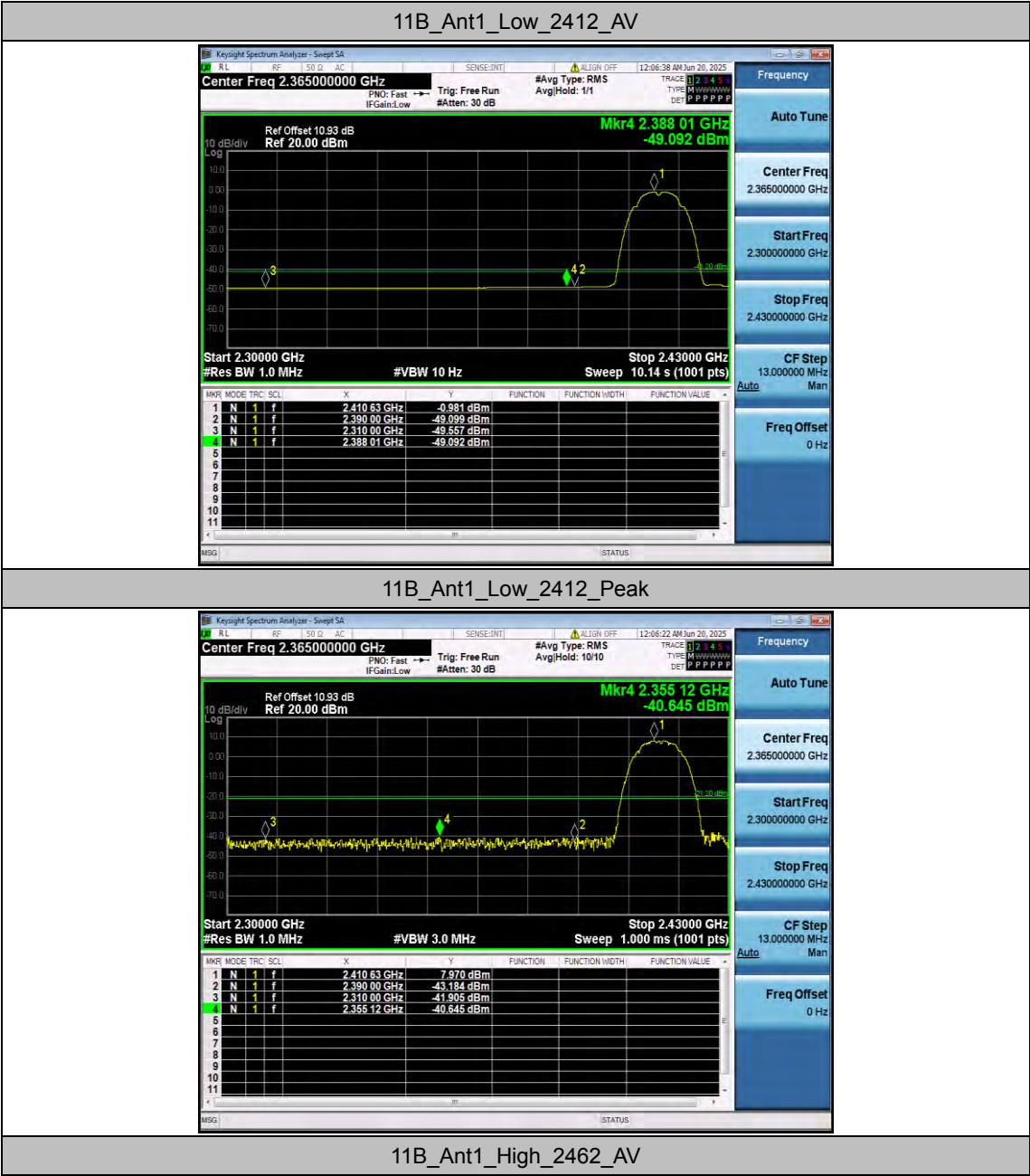
TestMode	Antenna	ChName	Frequency [MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11B	Ant1	Low	2412	AV	2310.000	-49.56	≤-41.20	45.64	≤54	PASS
				AV	2388.010	-49.09	≤-41.20	46.11	≤54	PASS
				AV	2390.000	-49.1	≤-41.20	46.10	≤54	PASS
				Peak	2310.000	-41.91	≤-21.20	53.29	≤74	PASS
				Peak	2355.120	-40.64	≤-21.20	54.56	≤74	PASS
				Peak	2390.000	-43.18	≤-21.20	52.02	≤74	PASS
		High	2462	AV	2483.500	-48.99	≤-41.20	46.21	≤54	PASS
				AV	2499.620	-48.76	≤-41.20	46.44	≤54	PASS
				AV	2500.000	-48.78	≤-41.20	46.42	≤54	PASS
				Peak	2483.500	-43.27	≤-21.20	51.93	≤74	PASS
				Peak	2498.850	-39.68	≤-21.20	55.52	≤74	PASS
				Peak	2500.000	-45.01	≤-21.20	50.19	≤74	PASS
11G	Ant1	Low	2412	AV	2310.000	-49.56	≤-41.20	45.64	≤54	PASS
				AV	2389.960	-49.05	≤-41.20	46.15	≤54	PASS
				AV	2390.000	-49.05	≤-41.20	46.15	≤54	PASS
				Peak	2310.000	-41.88	≤-21.20	53.32	≤74	PASS
				Peak	2343.030	-39.79	≤-21.20	55.41	≤74	PASS
				Peak	2390.000	-44.43	≤-21.20	50.77	≤74	PASS
		High	2462	AV	2483.500	-48.92	≤-41.20	46.28	≤54	PASS
				AV	2499.290	-48.81	≤-41.20	46.39	≤54	PASS
				AV	2500.000	-48.84	≤-41.20	46.36	≤54	PASS
				Peak	2483.500	-45.43	≤-21.20	49.77	≤74	PASS
				Peak	2488.950	-40.34	≤-21.20	54.86	≤74	PASS
				Peak	2500.000	-44.17	≤-21.20	51.03	≤74	PASS
11N20SISO	Ant1	Low	2412	AV	2310.000	-49.55	≤-41.20	45.65	≤54	PASS
				AV	2389.700	-49.04	≤-41.20	46.16	≤54	PASS
				AV	2390.000	-49.06	≤-41.20	46.14	≤54	PASS
				Peak	2310.000	-44.6	≤-21.20	50.60	≤74	PASS
				Peak	2358.110	-39.73	≤-21.20	55.47	≤74	PASS
				Peak	2390.000	-42.9	≤-21.20	52.30	≤74	PASS
		High	2462	AV	2483.500	-48.92	≤-41.20	46.28	≤54	PASS
				AV	2499.620	-48.79	≤-41.20	46.41	≤54	PASS
				AV	2500.000	-48.83	≤-41.20	46.37	≤54	PASS
				Peak	2483.500	-42.8	≤-21.20	52.40	≤74	PASS
				Peak	2496.210	-40.97	≤-21.20	54.23	≤74	PASS
				Peak	2500.000	-43.94	≤-21.20	51.26	≤74	PASS

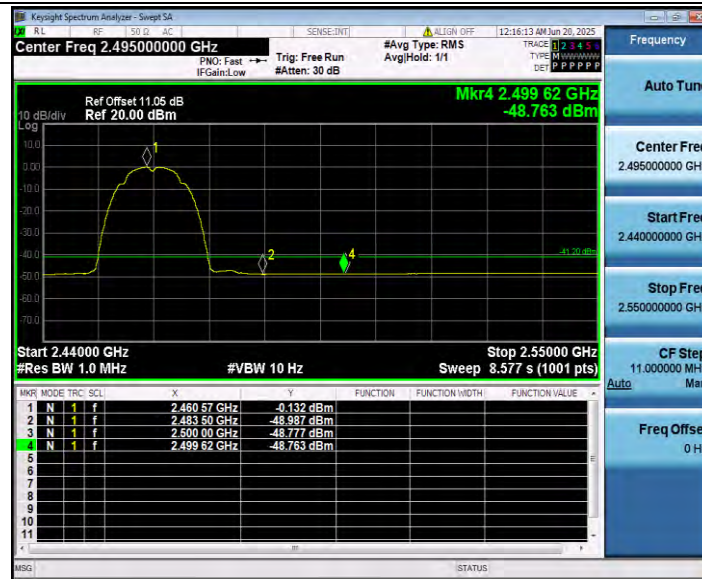
11AX20SI SO	Ant1	Low	2412	AV	2310.000	-49.56	≤ -41.20	45.64	≤ 54	PASS
				AV	2389.960	-48.83	≤ -41.20	46.37	≤ 54	PASS
				AV	2390.000	-48.83	≤ -41.20	46.37	≤ 54	PASS
				Peak	2310.000	-45.72	≤ -21.20	49.48	≤ 74	PASS
				Peak	2352.910	-39.05	≤ -21.20	56.15	≤ 74	PASS
				Peak	2390.000	-43.69	≤ -21.20	51.51	≤ 74	PASS
		High	2462	AV	2483.500	-48.46	≤ -41.20	46.74	≤ 54	PASS
				AV	2483.560	-48.46	≤ -41.20	46.74	≤ 54	PASS
				AV	2500.000	-48.78	≤ -41.20	46.42	≤ 54	PASS
				Peak	2483.500	-40.88	≤ -21.20	54.32	≤ 74	PASS
				Peak	2485.430	-37.32	≤ -21.20	57.88	≤ 74	PASS
				Peak	2500.000	-43.64	≤ -21.20	51.56	≤ 74	PASS

Note:

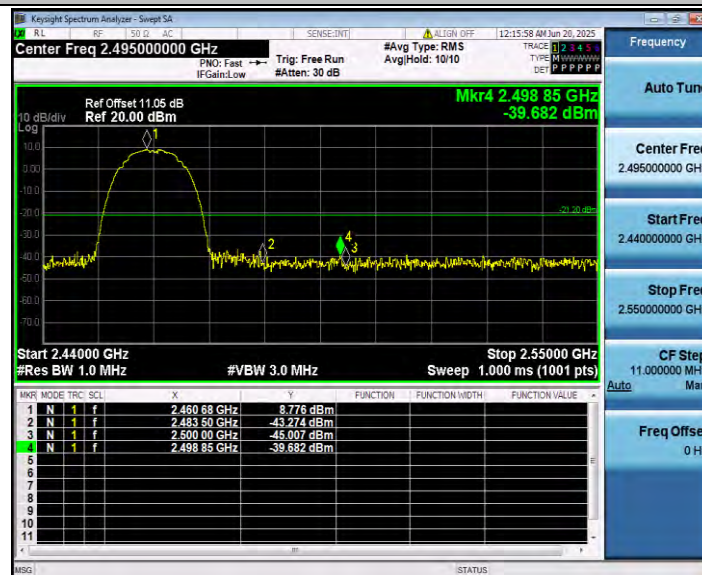
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

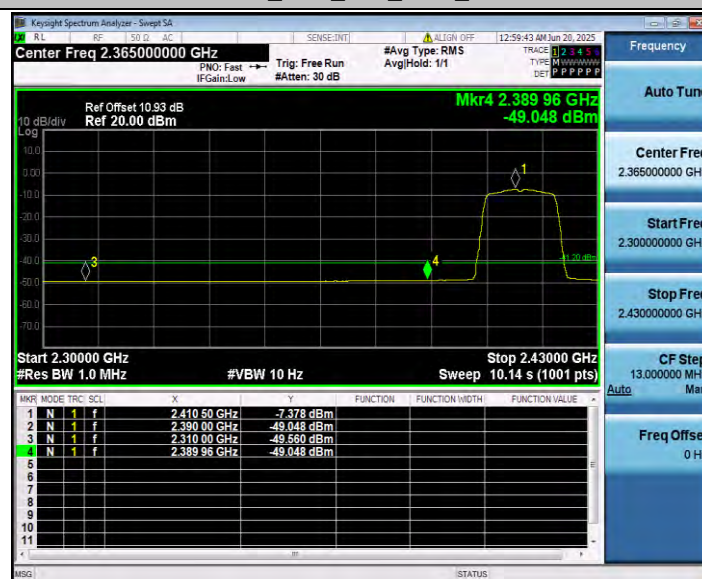




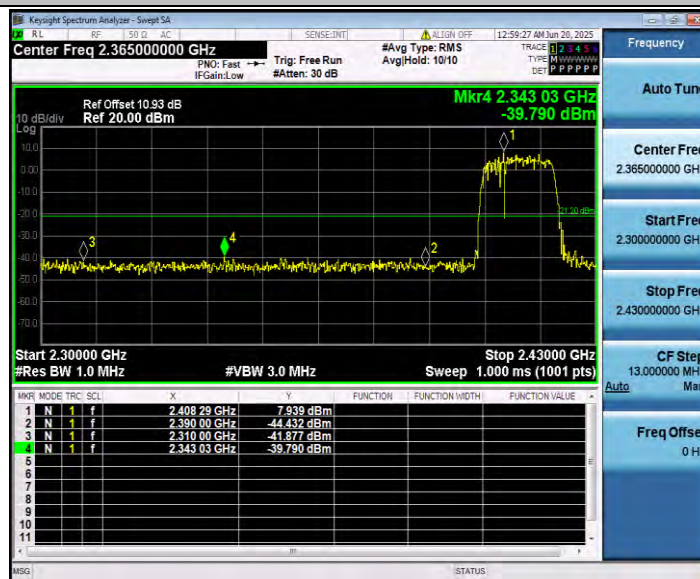
11B_Ant1_High_2462_Peak



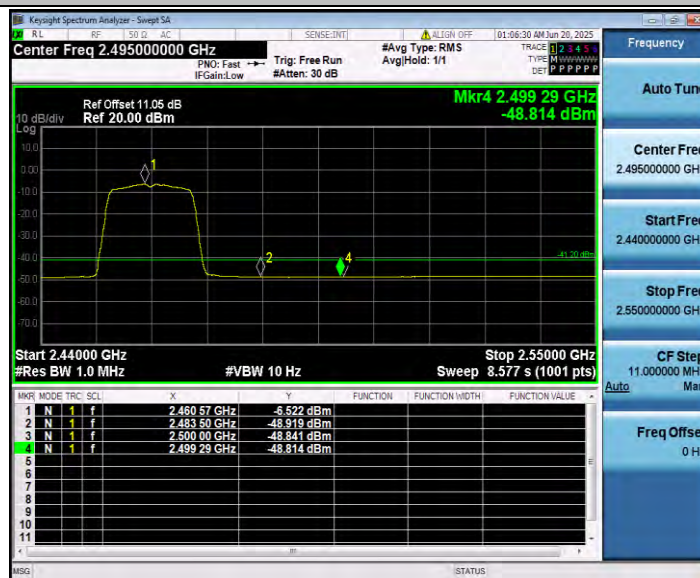
11G_Ant1_Low_2412_AV



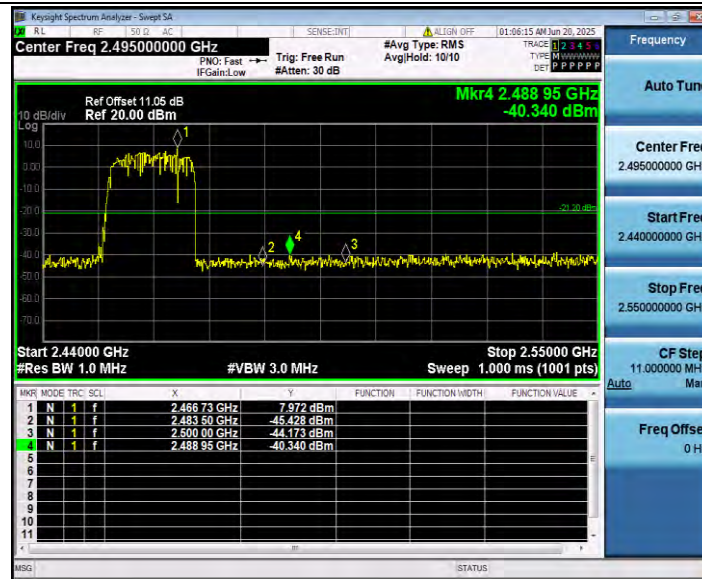
11G_Ant1_Low_2412_Peak



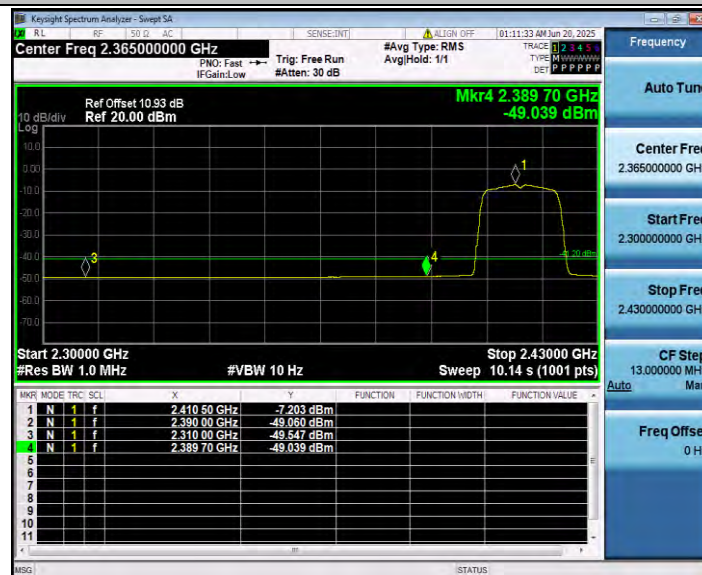
11G_Ant1_High_2462_AV



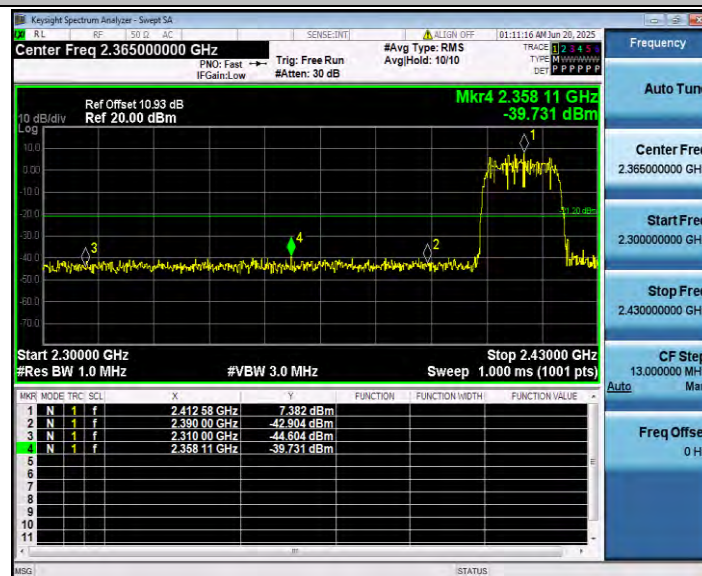
11G_Ant1_High_2462_Peak



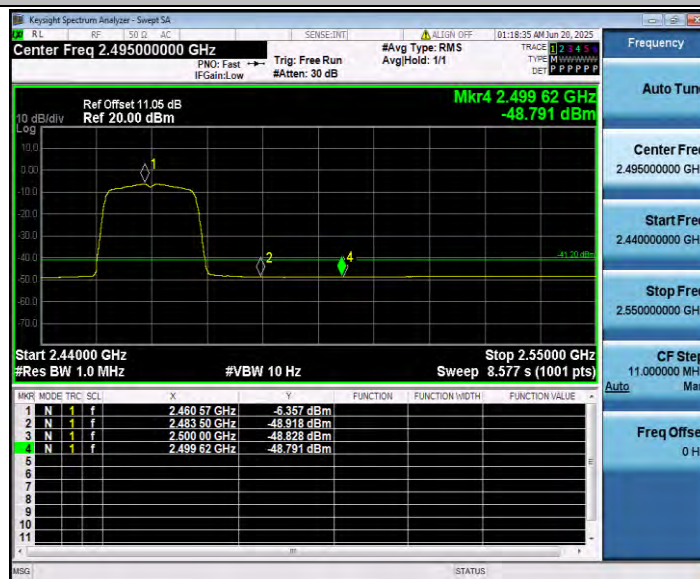
11N20SISO_Ant1_Low_2412_AV



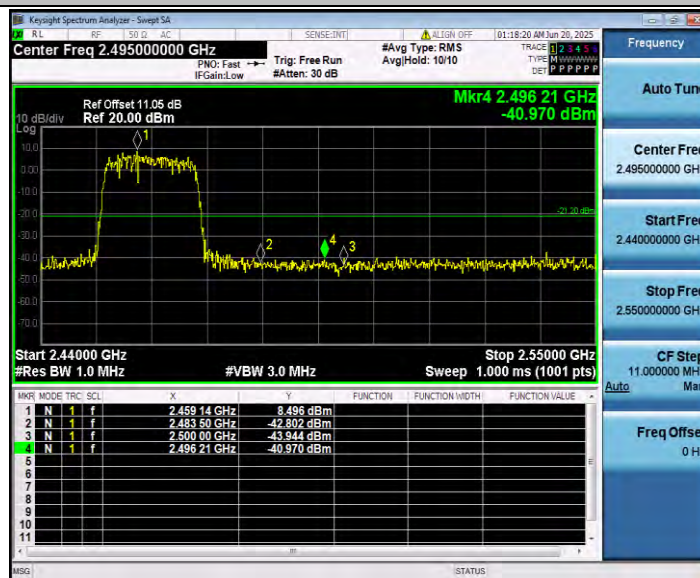
11N20SISO_Ant1_Low_2412_Peak



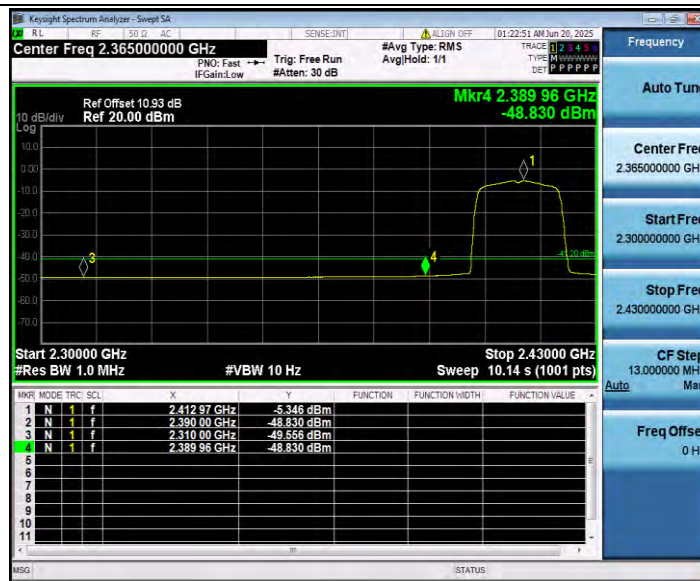
11N20SISO_Ant1_High_2462_AV



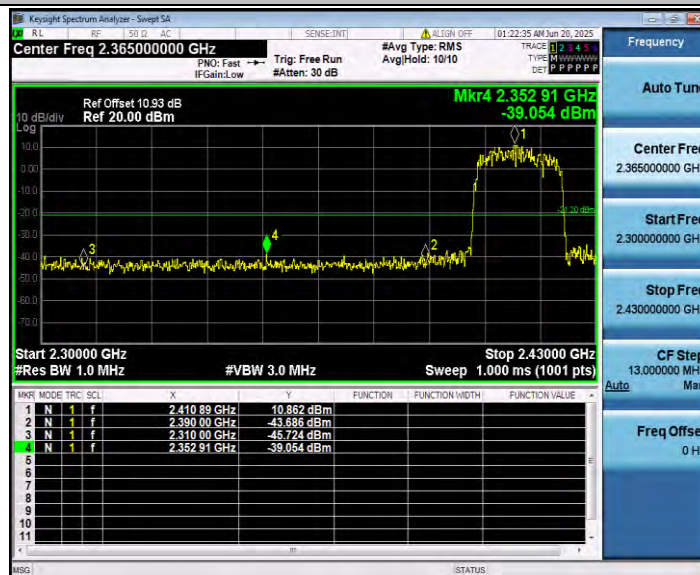
11N20SISO_Ant1_High_2462_Peak



11AX20SISO_Ant1_Low_2412_AV



11AX20SISO_Ant1_Low_2412_Peak



11AX20SISO_Ant1_High_2462_AV

