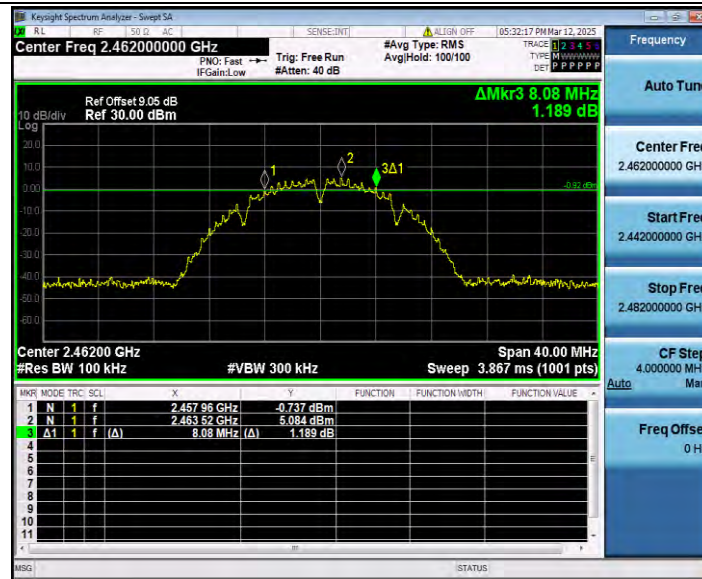


Case No. : <u>GTS20240328013-1-06</u>	
Ambient Condition: <u>23</u> °C, <u>53</u> %RH,	
Test Date: <u>2025.3.12</u>	Test Engineer: <u>Evan ouyang</u>

Appendix C.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	7.560	2408.000	2415.560	0.5	PASS
		2437	8.040	2433.000	2441.040	0.5	PASS
		2462	8.080	2457.960	2466.040	0.5	PASS
11G	Ant1	2412	16.400	2403.840	2420.240	0.5	PASS
		2437	16.320	2428.840	2445.160	0.5	PASS
		2462	16.360	2453.840	2470.200	0.5	PASS
11N20SISO	Ant1	2412	17.640	2403.200	2420.840	0.5	PASS
		2437	17.360	2428.440	2445.800	0.5	PASS
		2462	17.560	2453.240	2470.800	0.5	PASS
11N40SISO	Ant1	2422	36.080	2404.080	2440.160	0.5	PASS
		2437	36.000	2419.240	2455.240	0.5	PASS
		2452	36.080	2434.080	2470.160	0.5	PASS



11G_Ant1_2412



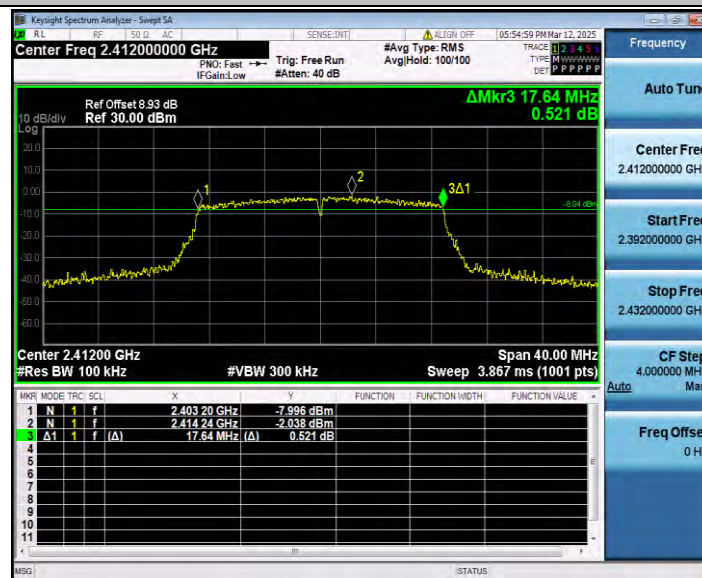
11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



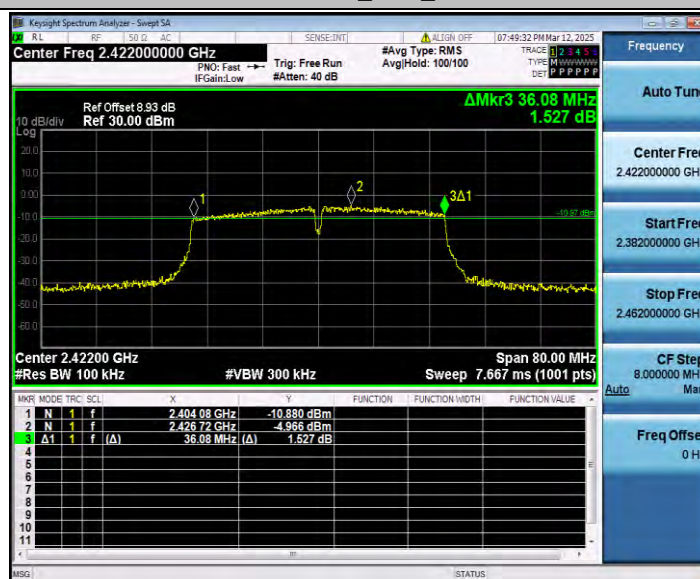
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



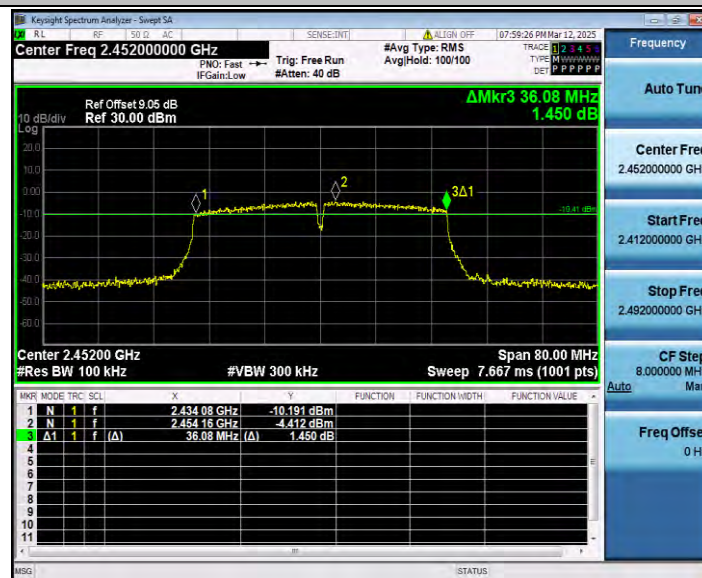
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix C.2: Occupied Channel Bandwidth

Test Result

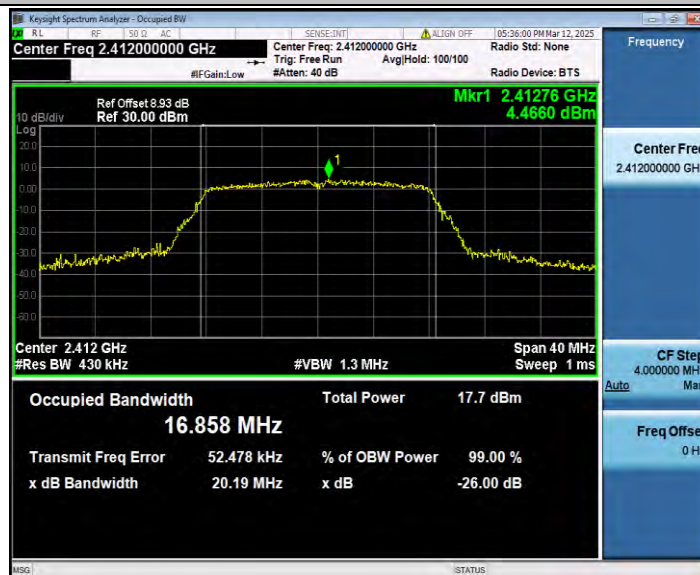
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.966	2405.5762	2418.5422	---	---
		2437	12.876	2430.6354	2443.5114	---	---
		2462	12.893	2455.6048	2468.4978	---	---
11G	Ant1	2412	16.858	2403.6235	2420.4815	---	---
		2437	16.764	2428.6654	2445.4294	---	---
		2462	16.804	2453.6607	2470.4647	---	---
11N20SISO	Ant1	2412	17.875	2403.1046	2420.9796	---	---
		2437	17.830	2428.1468	2445.9768	---	---
		2462	17.826	2453.1399	2470.9659	---	---
11N40SISO	Ant1	2422	36.246	2404.0635	2440.3095	---	---
		2437	36.126	2419.0671	2455.1931	---	---
		2452	36.135	2434.0928	2470.2278	---	---

Test Graphs

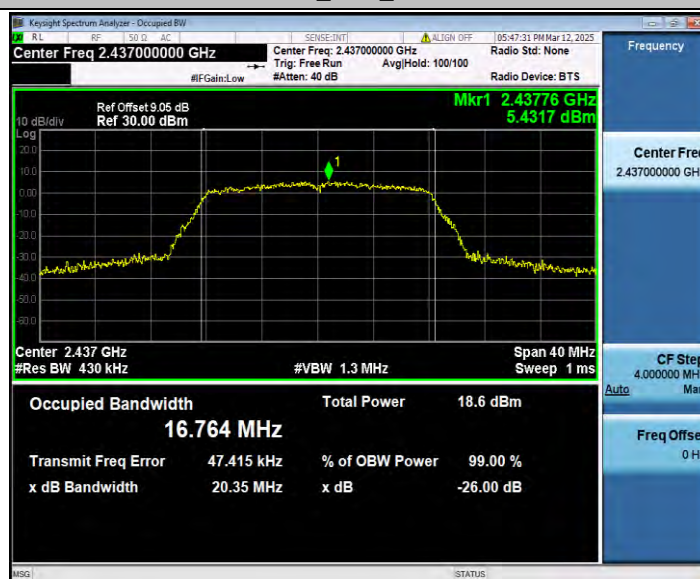




11G_Ant1_2412



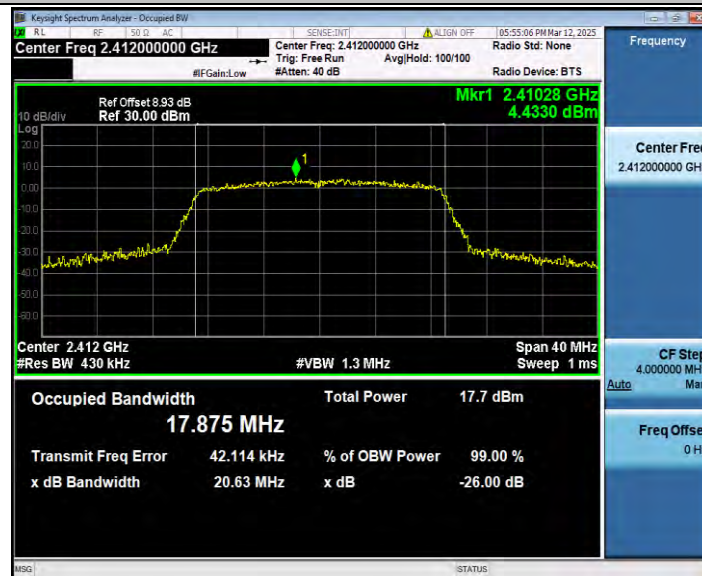
11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



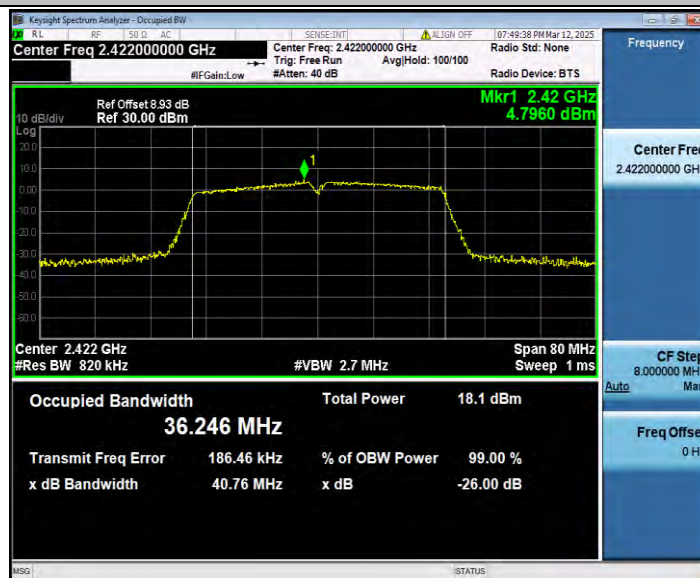
11N20SISO_Ant1_2437



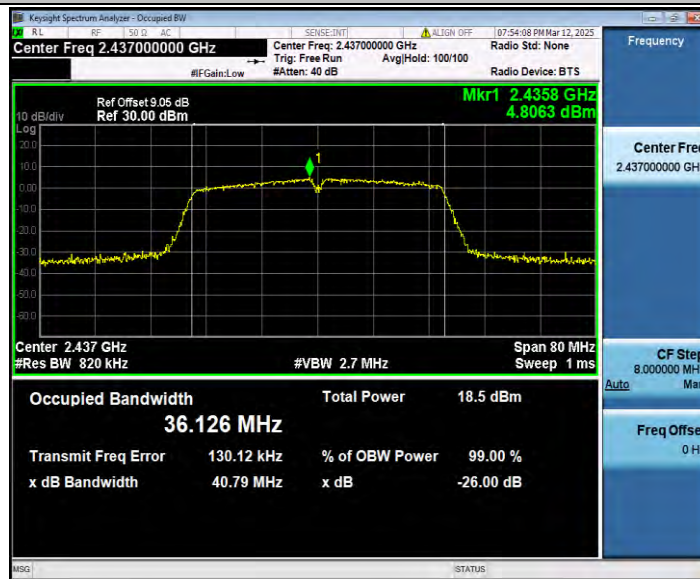
11N20SISO_Ant1_2462



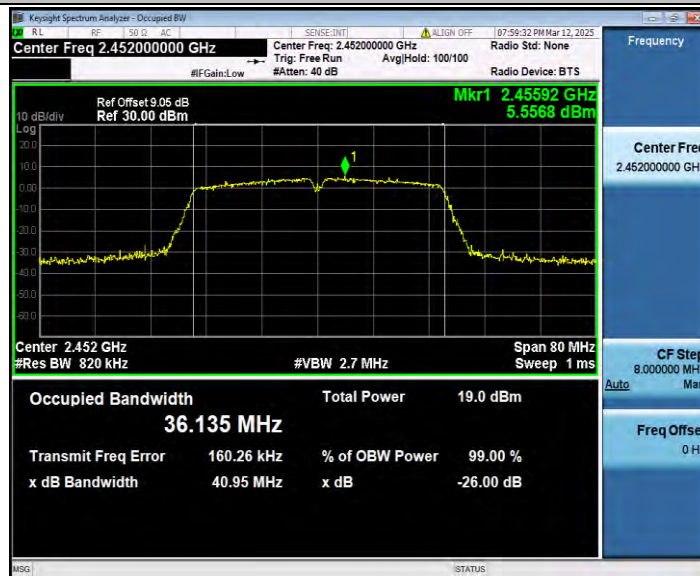
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix C.3: Maximum conducted output power

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	15.07	≤30.00	PASS
		2437	16.23	≤30.00	PASS
		2462	16.61	≤30.00	PASS
11G	Ant1	2412	18.89	≤30.00	PASS
		2437	19.78	≤30.00	PASS
		2462	20.26	≤30.00	PASS
11N20SISO	Ant1	2412	18.77	≤30.00	PASS
		2437	19.57	≤30.00	PASS
		2462	20.04	≤30.00	PASS
11N40SISO	Ant1	2422	18.44	≤30.00	PASS
		2437	18.91	≤30.00	PASS
		2452	19.33	≤30.00	PASS

Appendix C.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-10.32	≤8.00	PASS
		2437	-7.94	≤8.00	PASS
		2462	-9.51	≤8.00	PASS
11G	Ant1	2412	-12.89	≤8.00	PASS
		2437	-12.22	≤8.00	PASS
		2462	-11.28	≤8.00	PASS
11N20SISO	Ant1	2412	-13.56	≤8.00	PASS
		2437	-12.65	≤8.00	PASS
		2462	-11.65	≤8.00	PASS
11N40SISO	Ant1	2422	-15.02	≤8.00	PASS
		2437	-14.28	≤8.00	PASS
		2452	-15.40	≤8.00	PASS

Test Graphs

11B_Ant1_2412



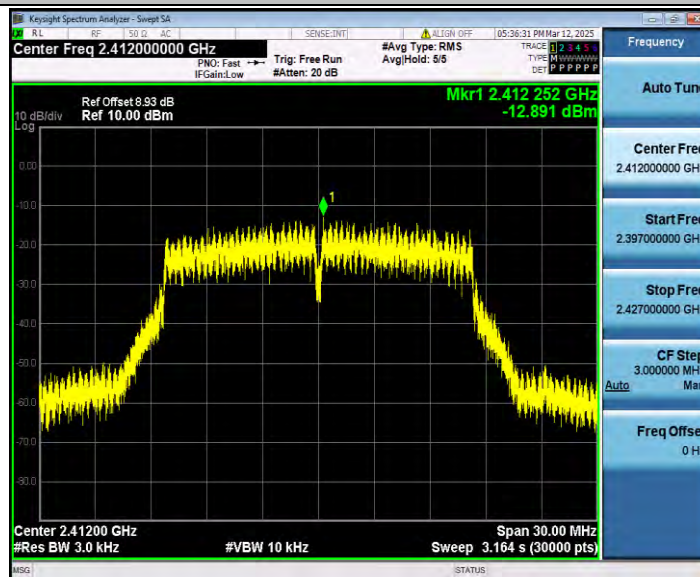
11B_Ant1_2437



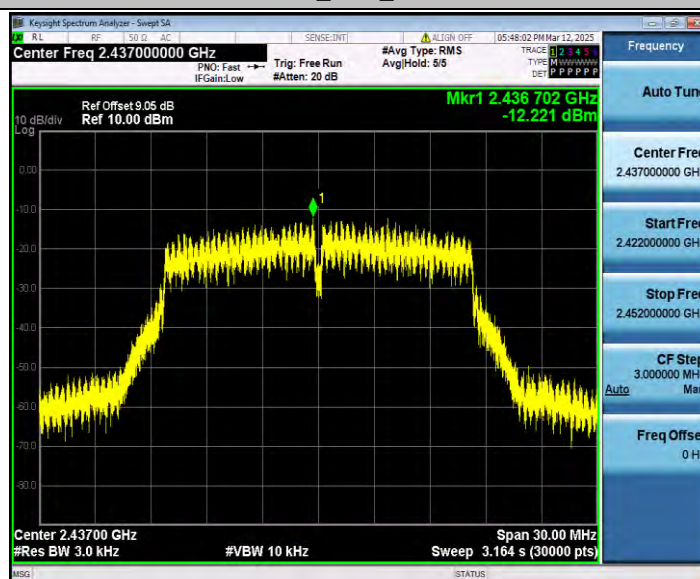
11B_Ant1_2462



11G_Ant1_2412



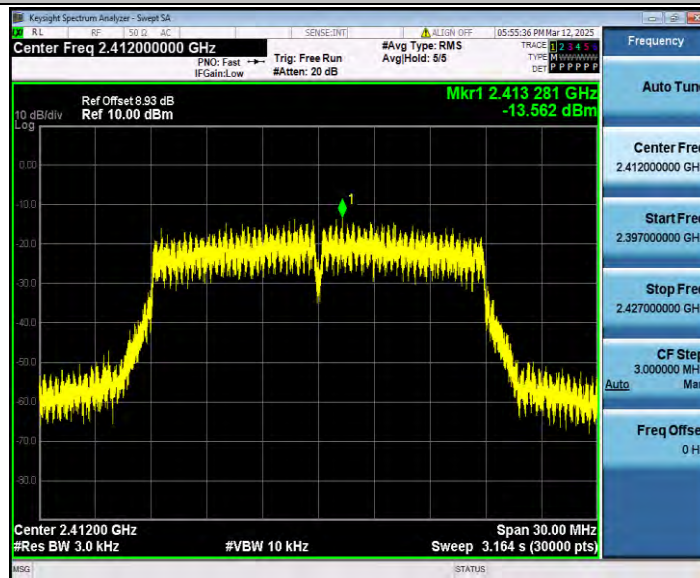
11G_Ant1_2437



11G_Ant1_2462



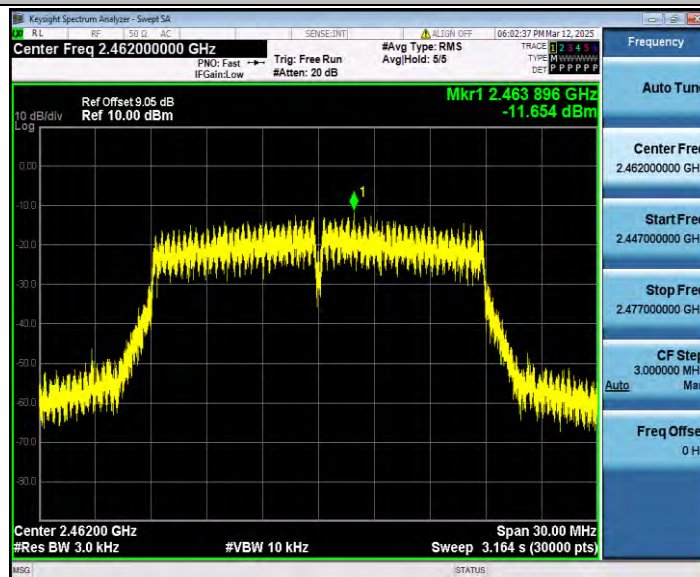
11N20SISO_Ant1_2412



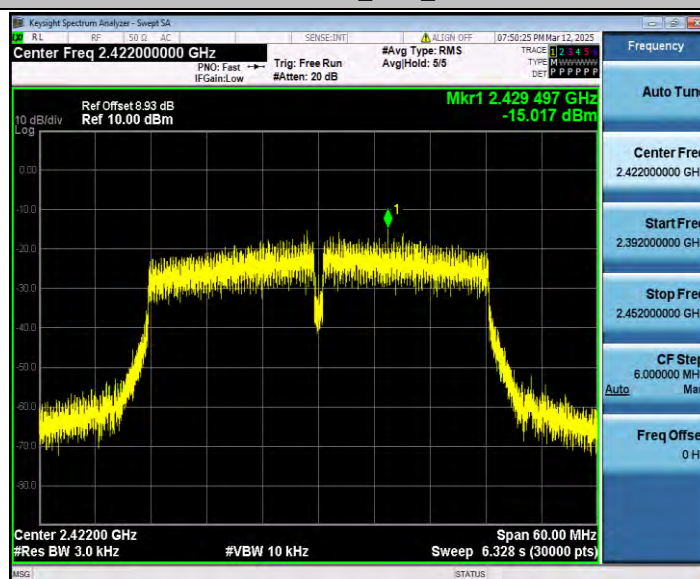
11N20SISO_Ant1_2437



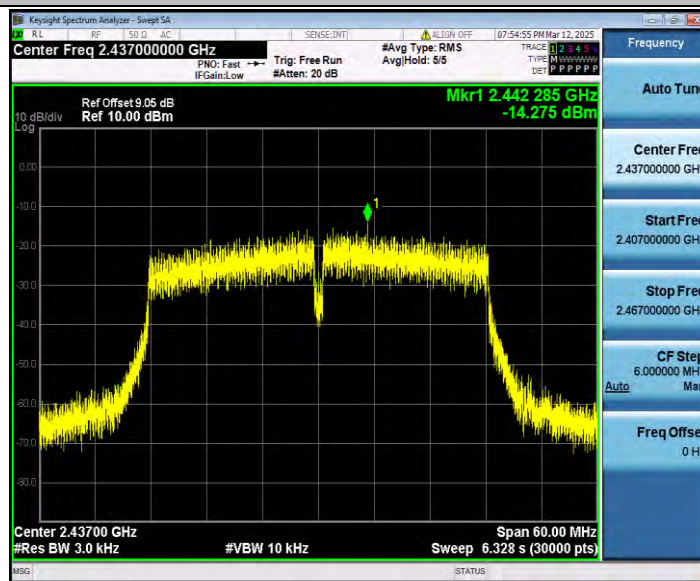
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



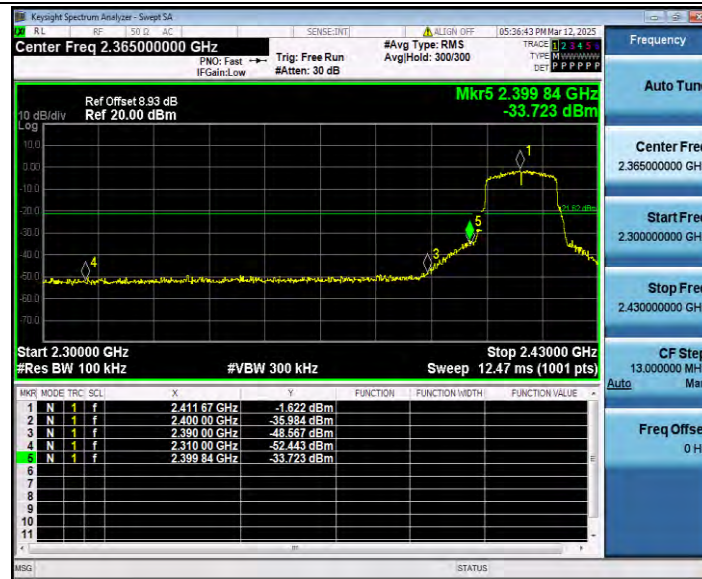
Appendix C.5: Band edge measurements

Test Result

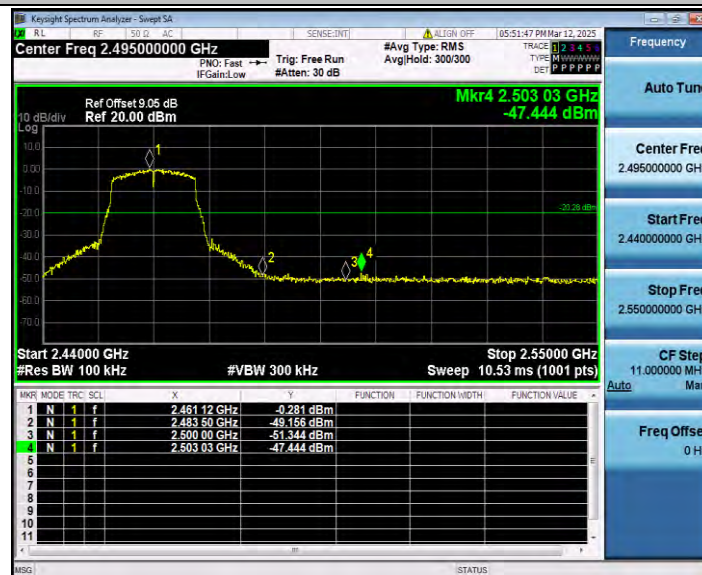
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	3.84	-46.28	≤ -16.16	PASS
		High	2462	5.37	-49.48	≤ -14.63	PASS
11G	Ant1	Low	2412	-1.62	-33.72	≤ -21.62	PASS
		High	2462	-0.28	-47.44	≤ -20.28	PASS
11N20SISO	Ant1	Low	2412	-1.45	-33.99	≤ -21.45	PASS
		High	2462	-0.58	-44.91	≤ -20.58	PASS
11N40SISO	Ant1	Low	2422	-4.83	-38.68	≤ -24.83	PASS
		High	2452	-4.27	-42.05	≤ -24.27	PASS

Test Graphs

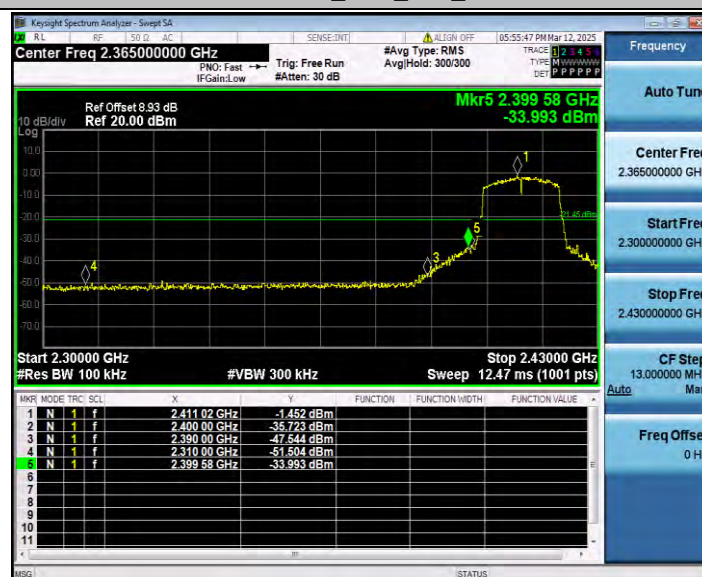




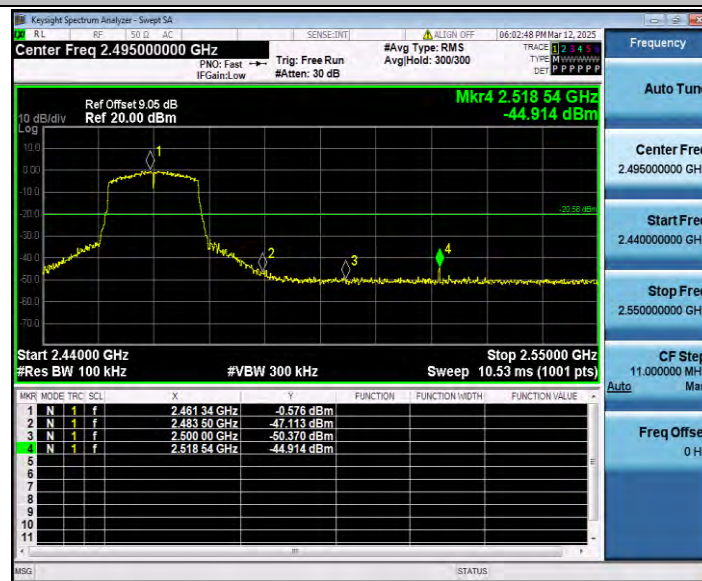
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



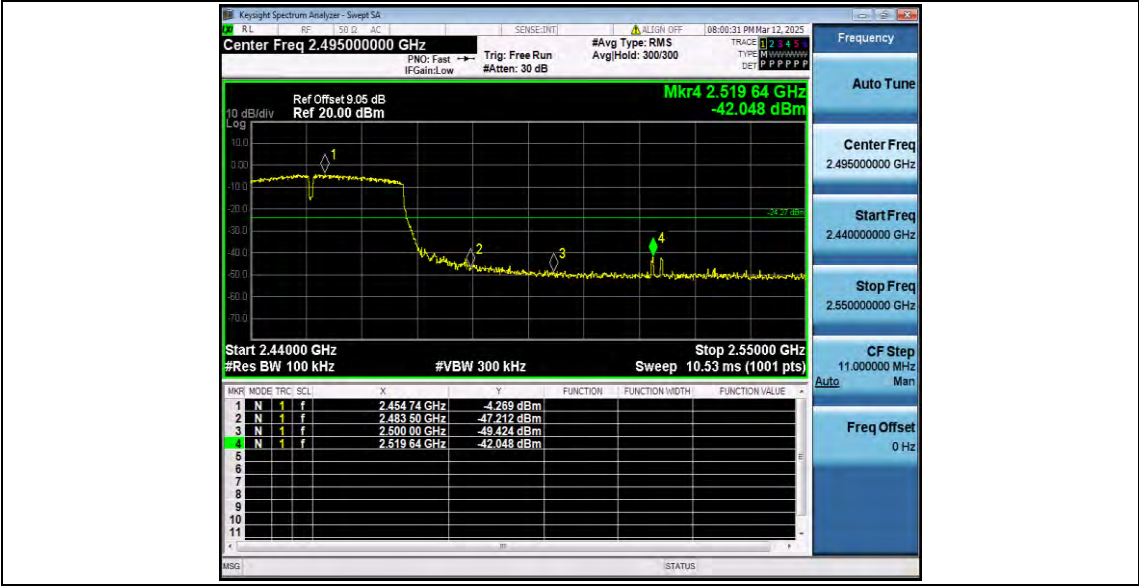
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452

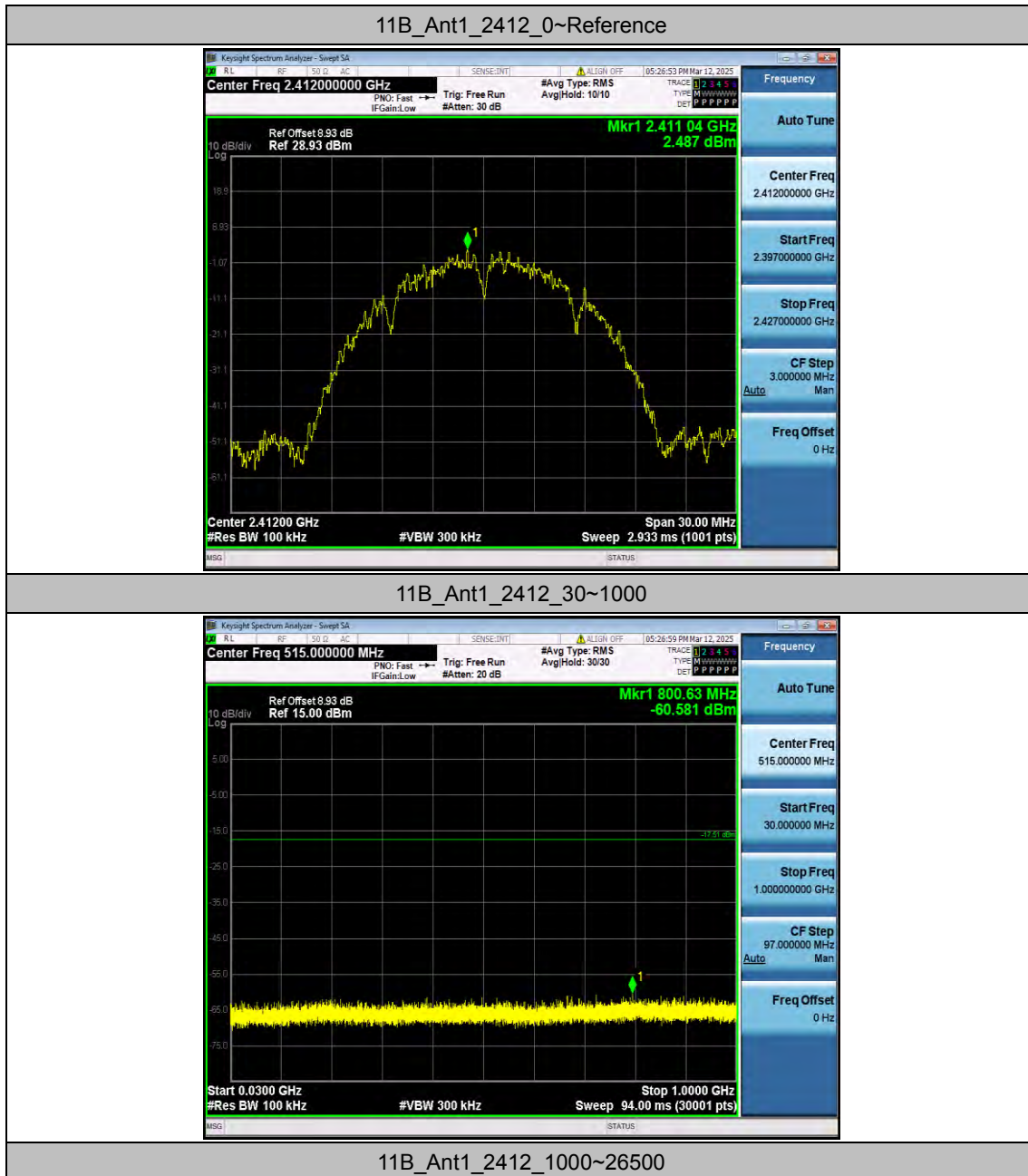


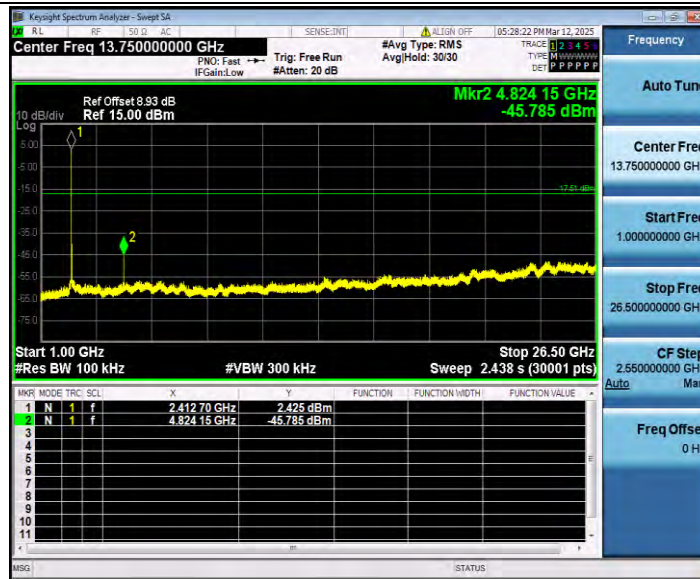
Appendix C.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	2.49	2.49	---	PASS
			30~1000	2.49	-60.58	≤ -17.51	PASS
			1000~26500	2.49	-45.79	≤ -17.51	PASS
		2437	Reference	3.09	3.09	---	PASS
			30~1000	3.09	-60.57	≤ -16.91	PASS
			1000~26500	3.09	-45.77	≤ -16.91	PASS
		2462	Reference	4.00	4.00	---	PASS
			30~1000	4.00	-59.94	≤ -16	PASS
			1000~26500	4.00	-47.59	≤ -16	PASS
11G	Ant1	2412	Reference	-1.99	-1.99	---	PASS
			30~1000	-1.99	-60.69	≤ -21.99	PASS
			1000~26500	-1.99	-47.35	≤ -21.99	PASS
		2437	Reference	-0.94	-0.94	---	PASS
			30~1000	-0.94	-60.49	≤ -20.94	PASS
			1000~26500	-0.94	-47.19	≤ -20.94	PASS
		2462	Reference	-0.97	-0.97	---	PASS
			30~1000	-0.97	-61	≤ -20.97	PASS
			1000~26500	-0.97	-46.64	≤ -20.97	PASS
11N20SISO	Ant1	2412	Reference	-2.78	-2.78	---	PASS
			30~1000	-2.78	-60.7	≤ -22.78	PASS
			1000~26500	-2.78	-47.92	≤ -22.78	PASS
		2437	Reference	-1.96	-1.96	---	PASS
			30~1000	-1.96	-60.64	≤ -21.96	PASS
			1000~26500	-1.96	-46.71	≤ -21.96	PASS
		2462	Reference	-1.23	-1.23	---	PASS
			30~1000	-1.23	-60.67	≤ -21.23	PASS
			1000~26500	-1.23	-47.7	≤ -21.23	PASS
11N40SISO	Ant1	2422	Reference	-6.08	-6.08	---	PASS
			30~1000	-6.08	-60.74	≤ -26.08	PASS
			1000~26500	-6.08	-47.57	≤ -26.08	PASS
		2437	Reference	-5.63	-5.63	---	PASS
			30~1000	-5.63	-61.02	≤ -25.63	PASS
			1000~26500	-5.63	-46.64	≤ -25.63	PASS
		2452	Reference	-4.21	-4.21	---	PASS
			30~1000	-4.21	-60.94	≤ -24.21	PASS
			1000~26500	-4.21	-47.6	≤ -24.21	PASS

Test Graphs

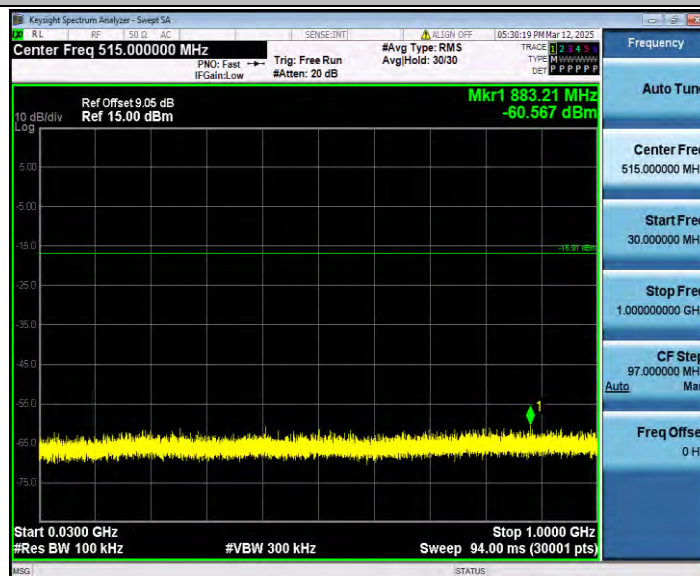




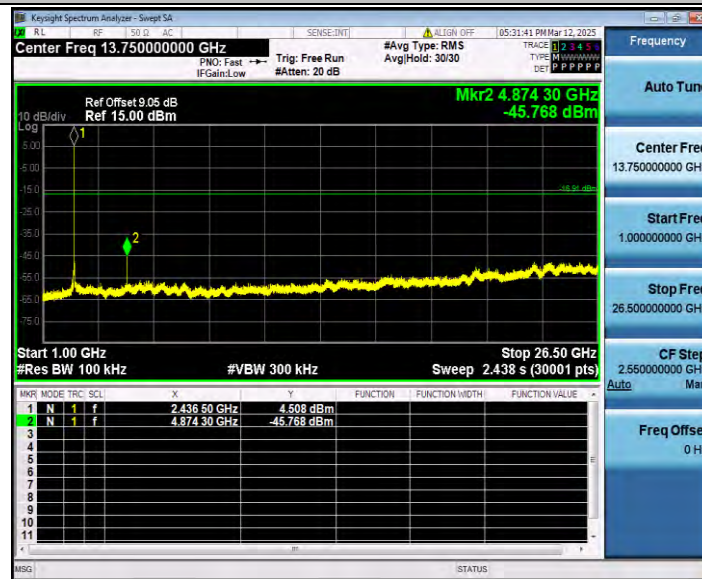
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



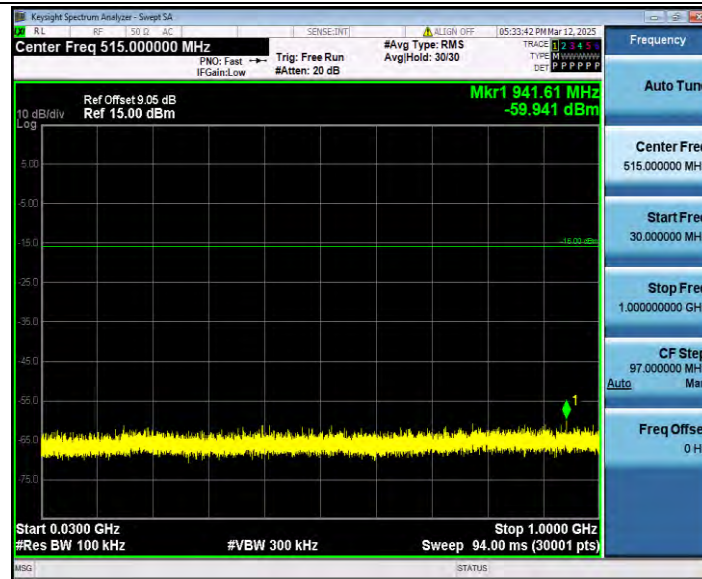
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



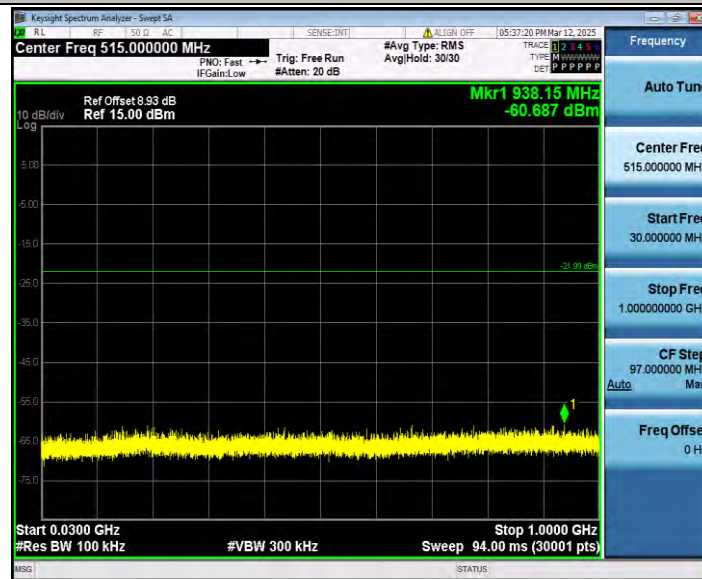
11B_Ant1_2462_1000~26500



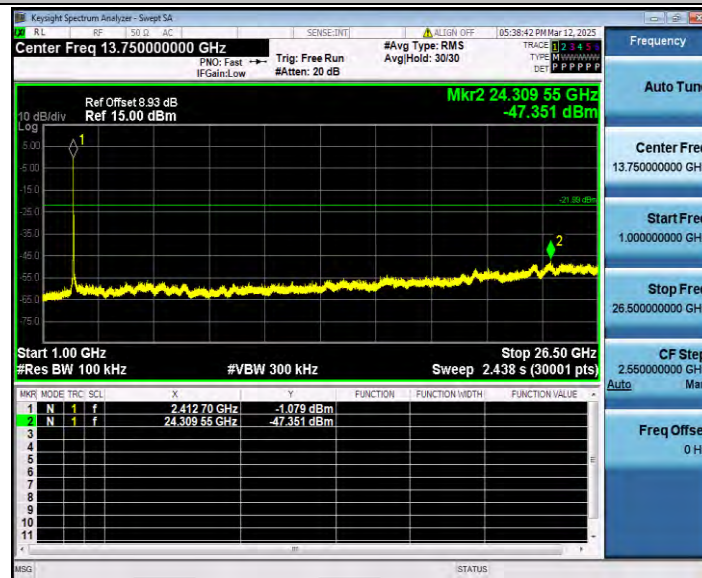
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



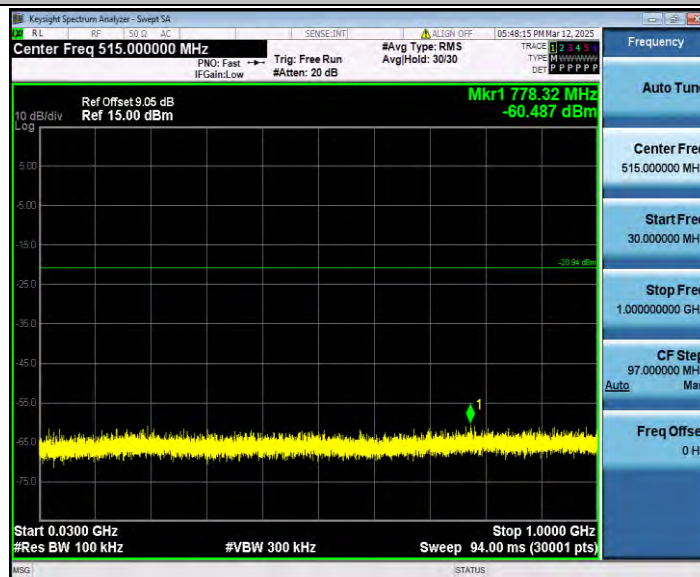
11G_Ant1_2412_1000~26500



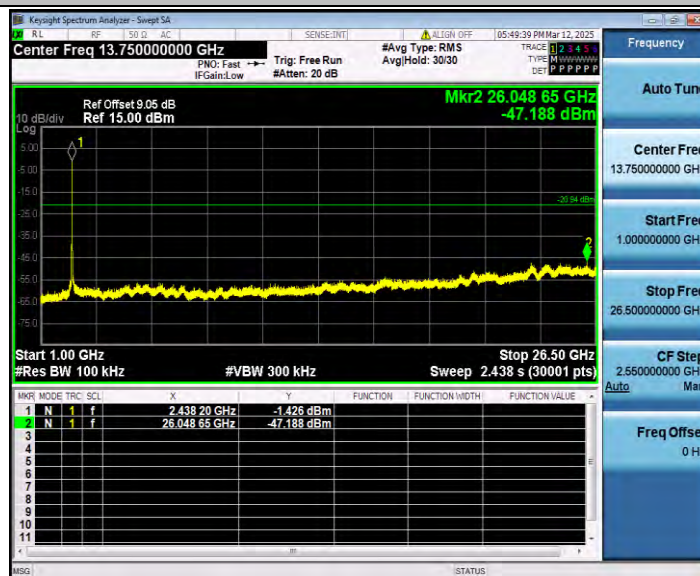
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



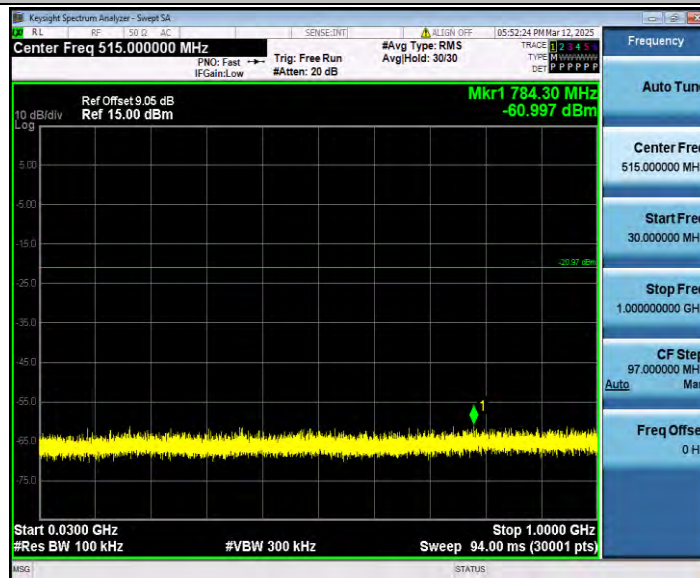
11G_Ant1_2437_1000~26500



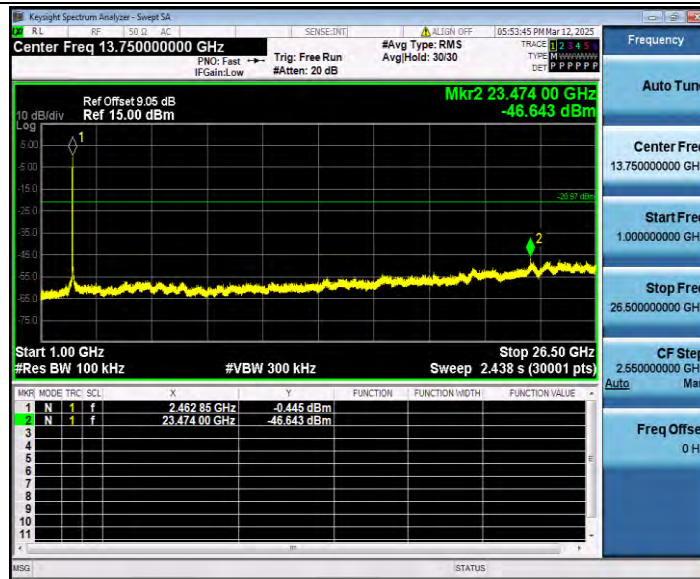
11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



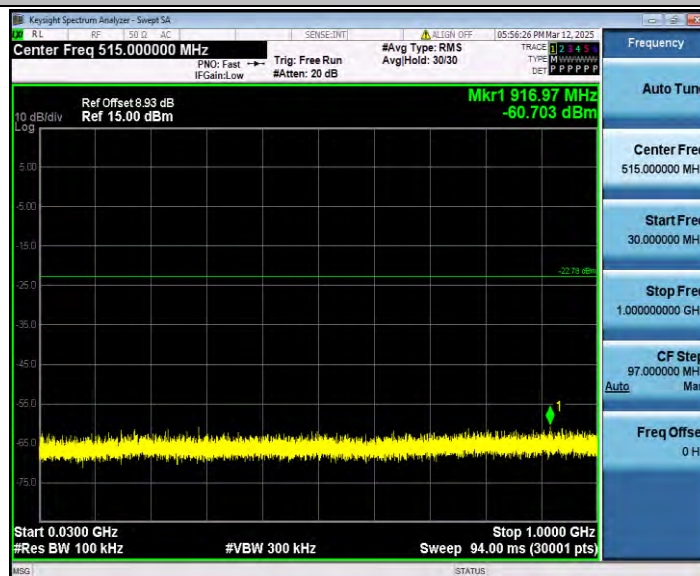
11G_Ant1_2462_1000~26500



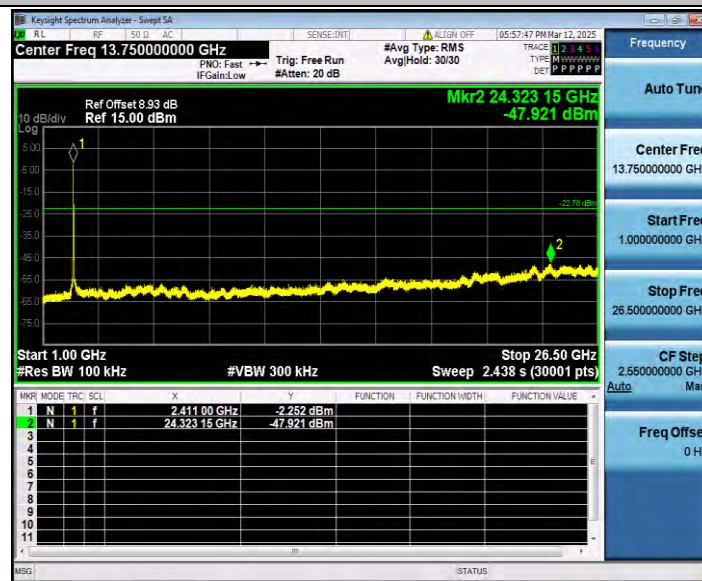
11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



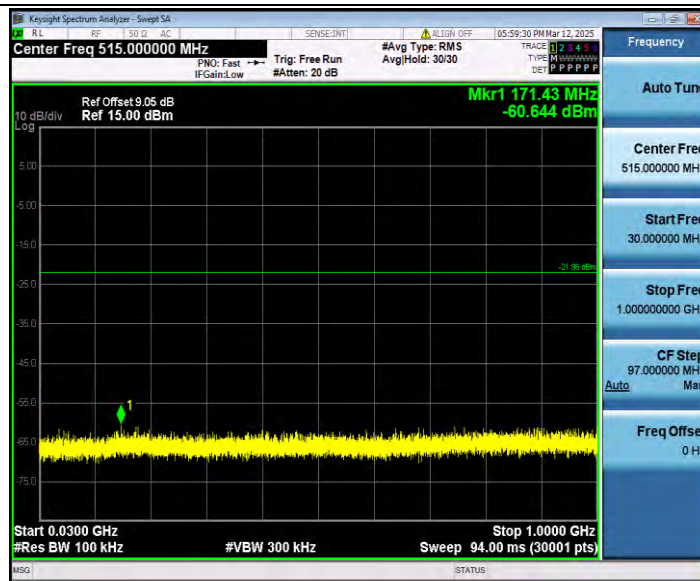
11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



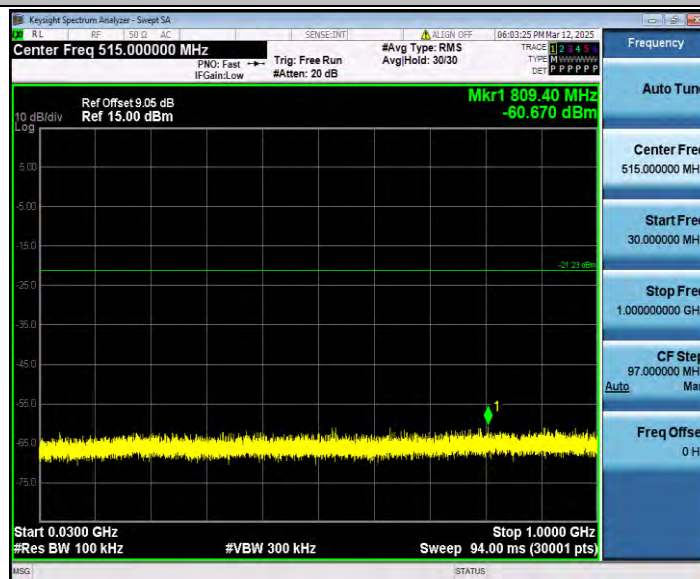
11N20SISO_Ant1_2437_1000~26500



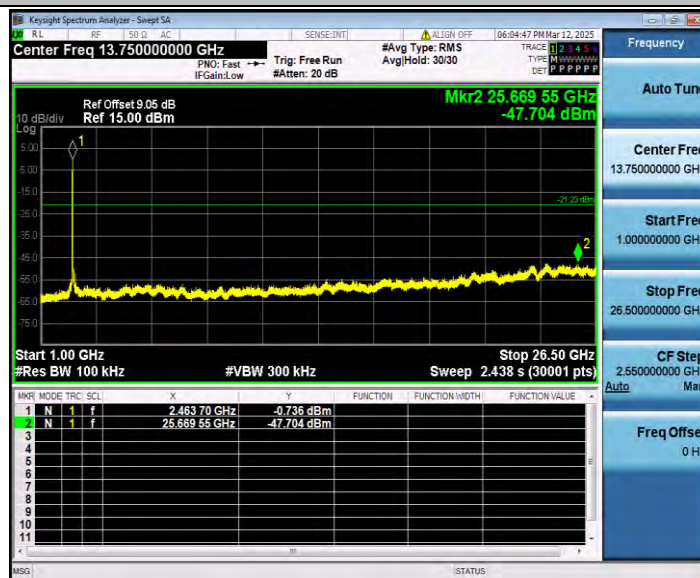
11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



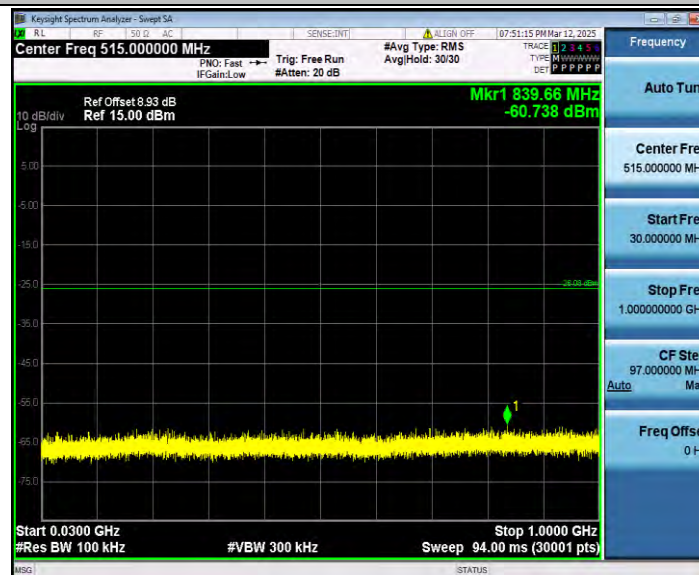
11N20SISO_Ant1_2462_1000~26500



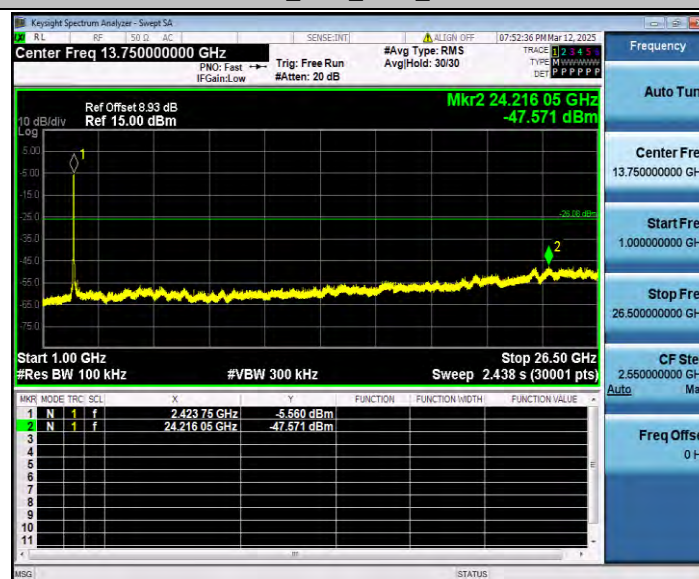
11N40SISO_Ant1_2422_0~Reference



11N40SISO_Ant1_2422_30~1000



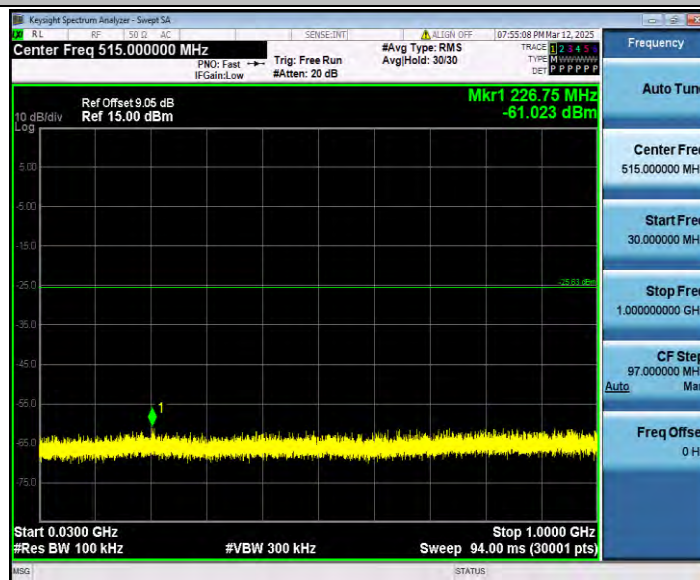
11N40SISO_Ant1_2422_1000~26500



11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_30~1000



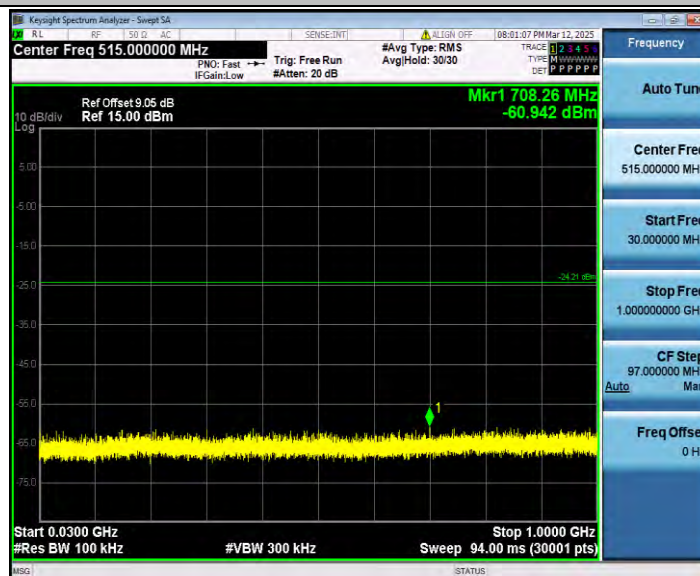
11N40SISO_Ant1_2437_1000~26500

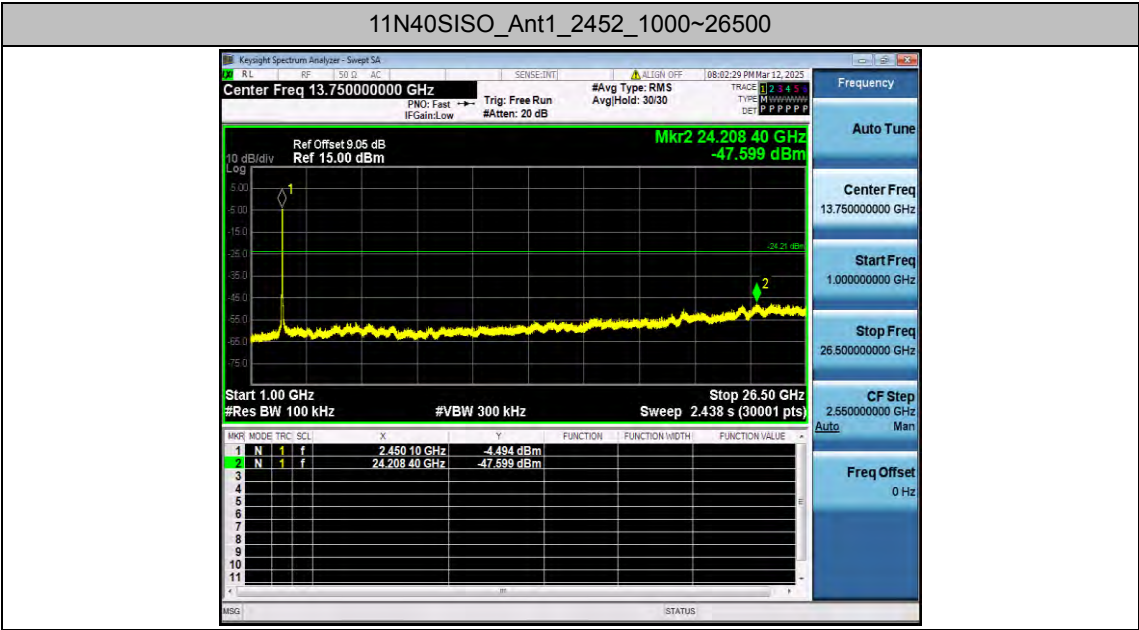


11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000





Appendix C.7: Emissions in Restricted Bands

Test Result

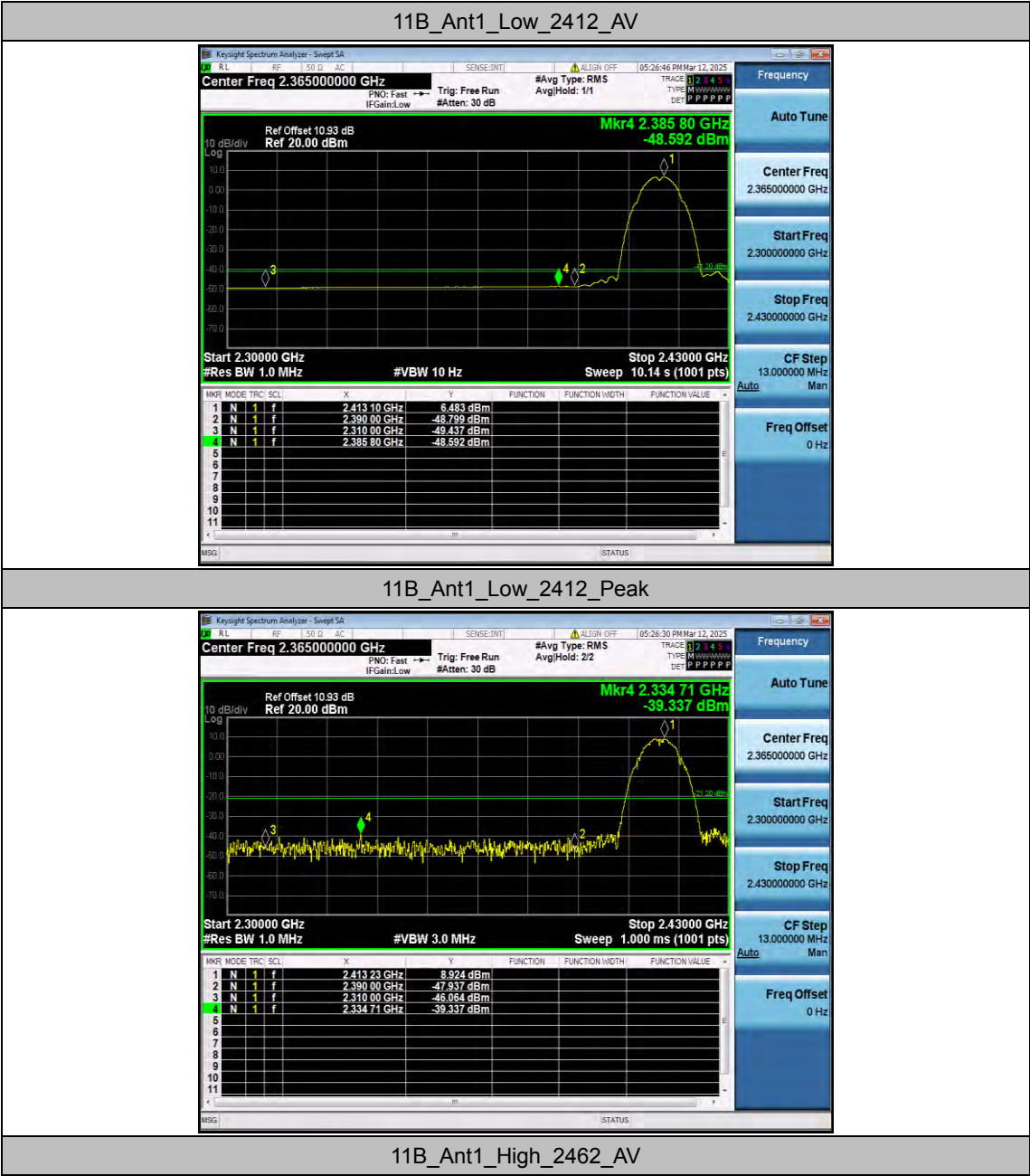
TestMode	Antenna	ChName	Frequenc y[MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11B	Ant1	Low	2412	AV	2310.000	-49.44	≤-41.20	45.76	≤54	PASS
				AV	2385.800	-48.59	≤-41.20	46.61	≤54	PASS
				AV	2390.000	-48.8	≤-41.20	46.40	≤54	PASS
				Peak	2310.000	-46.06	≤-21.20	49.14	≤74	PASS
				Peak	2334.710	-39.34	≤-21.20	55.86	≤74	PASS
				Peak	2390.000	-47.94	≤-21.20	47.26	≤74	PASS
		High	2462	AV	2483.500	-48.61	≤-41.20	46.59	≤54	PASS
				AV	2499.950	-48.42	≤-41.20	46.78	≤54	PASS
				AV	2500.000	-48.42	≤-41.20	46.78	≤54	PASS
				Peak	2483.500	-43.05	≤-21.20	52.15	≤74	PASS
				Peak	2494.120	-39.86	≤-21.20	55.34	≤74	PASS
				Peak	2500.000	-44.31	≤-21.20	50.89	≤74	PASS
11G	Ant1	Low	2412	AV	2310.000	-49.23	≤-41.20	45.97	≤54	PASS
				AV	2389.960	-45.5	≤-41.20	49.70	≤54	PASS
				AV	2390.000	-45.5	≤-41.20	49.70	≤54	PASS
				Peak	2310.000	-46.19	≤-21.20	49.01	≤74	PASS
				Peak	2388.790	-39.17	≤-21.20	56.03	≤74	PASS
				Peak	2390.000	-42.19	≤-21.20	53.01	≤74	PASS
		High	2462	AV	2483.500	-45.21	≤-41.20	49.99	≤54	PASS
				AV	2483.560	-45.28	≤-41.20	49.92	≤54	PASS
				AV	2500.000	-47.35	≤-41.20	47.85	≤54	PASS
				Peak	2483.500	-43.26	≤-21.20	51.94	≤74	PASS
				Peak	2497.530	-37.44	≤-21.20	57.76	≤74	PASS
				Peak	2500.000	-43.36	≤-21.20	51.84	≤74	PASS
11N20SIS O	Ant1	Low	2412	AV	2310.000	-49.24	≤-41.20	45.96	≤54	PASS
				AV	2389.960	-44.32	≤-41.20	50.88	≤54	PASS
				AV	2390.000	-44.32	≤-41.20	50.88	≤54	PASS
				Peak	2310.000	-45.33	≤-21.20	49.87	≤74	PASS
				Peak	2389.960	-38.73	≤-21.20	56.47	≤74	PASS
				Peak	2390.000	-38.73	≤-21.20	56.47	≤74	PASS
		High	2462	AV	2483.500	-44.32	≤-41.20	50.88	≤54	PASS
				AV	2483.560	-44.4	≤-41.20	50.80	≤54	PASS
				AV	2500.000	-47.38	≤-41.20	47.82	≤54	PASS
				Peak	2483.500	-42.34	≤-21.20	52.86	≤74	PASS
				Peak	2497.530	-38.38	≤-21.20	56.82	≤74	PASS

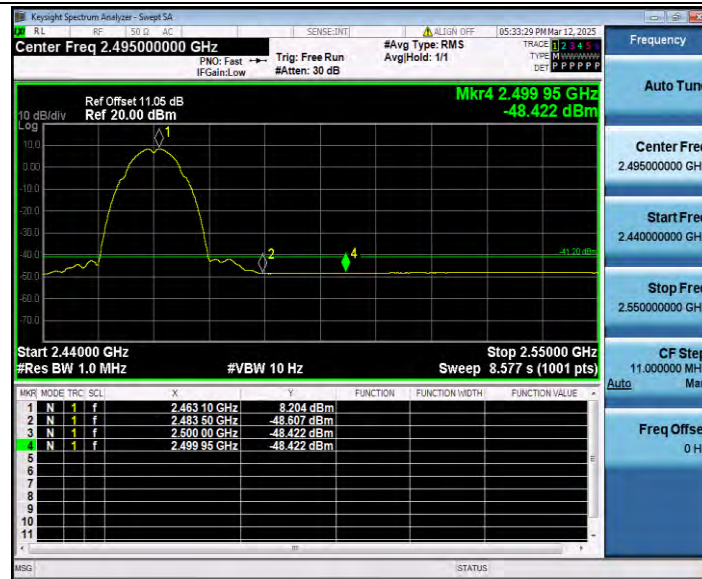
				Peak	2500.000	-41.91	≤ -21.20	53.29	≤ 74	PASS
11N40SIS O	Ant1	Low	2422	AV	2310.000	-49.43	≤ -41.20	45.77	≤ 54	PASS
				AV	2389.960	-42.36	≤ -41.20	52.84	≤ 54	PASS
				AV	2390.000	-42.36	≤ -41.20	52.84	≤ 54	PASS
				Peak	2310.000	-45.67	≤ -21.20	49.53	≤ 74	PASS
				Peak	2388.140	-31.7	≤ -21.20	63.50	≤ 74	PASS
				Peak	2390.000	-38.73	≤ -21.20	56.47	≤ 74	PASS
		High	2452	AV	2483.500	-43.28	≤ -41.20	51.92	≤ 54	PASS
				AV	2483.560	-43.31	≤ -41.20	51.89	≤ 54	PASS
				AV	2500.000	-46.74	≤ -41.20	48.46	≤ 54	PASS
				Peak	2483.500	-43.26	≤ -21.20	51.94	≤ 74	PASS
				Peak	2496.980	-36.57	≤ -21.20	58.63	≤ 74	PASS
				Peak	2500.000	-45.01	≤ -21.20	50.19	≤ 74	PASS

Note:

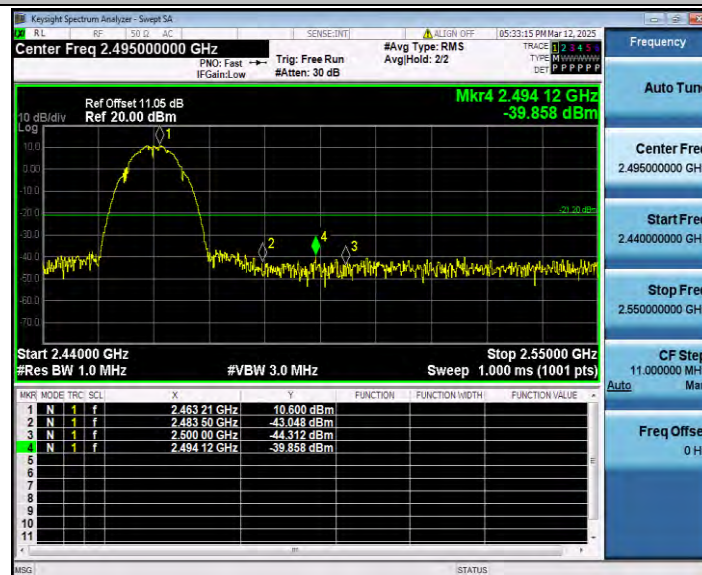
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs





11B_Ant1_High_2462_Peak



11G_Ant1_Low_2412_AV



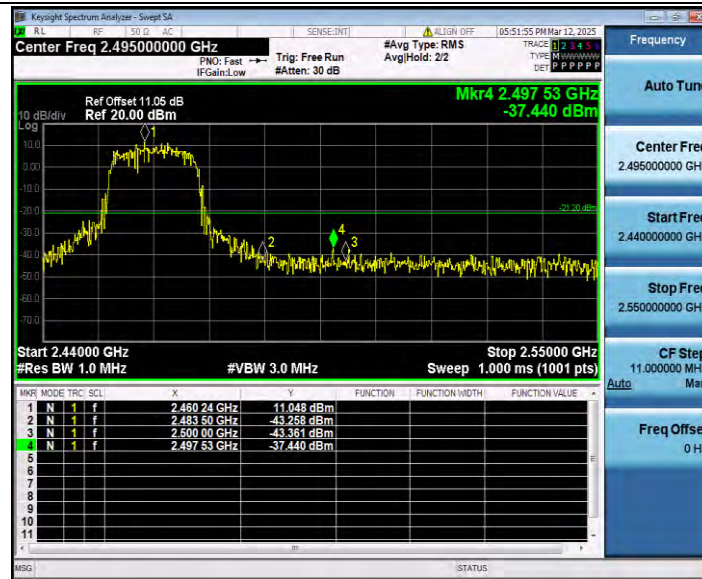
11G_Ant1_Low_2412_Peak



11G_Ant1_High_2462_AV



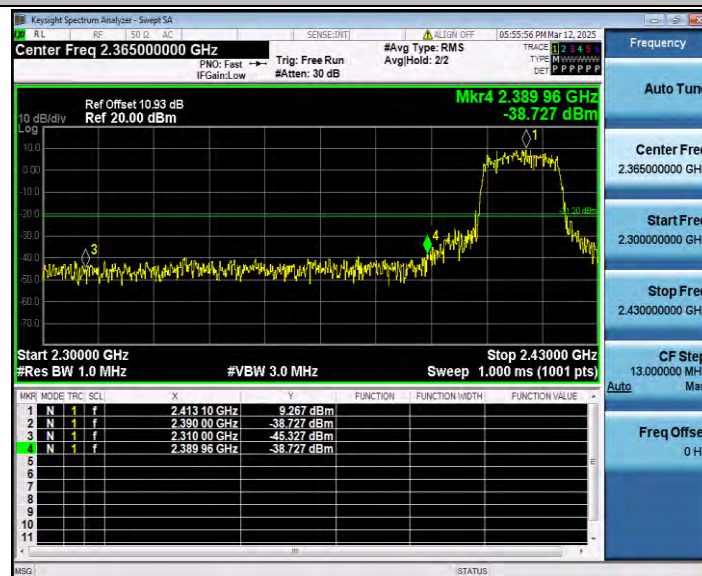
11G_Ant1_High_2462_Peak



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



