



11AX20SISO_Ant1_High_2462



Appendix C.7: Conducted Spurious Emission

Test Result

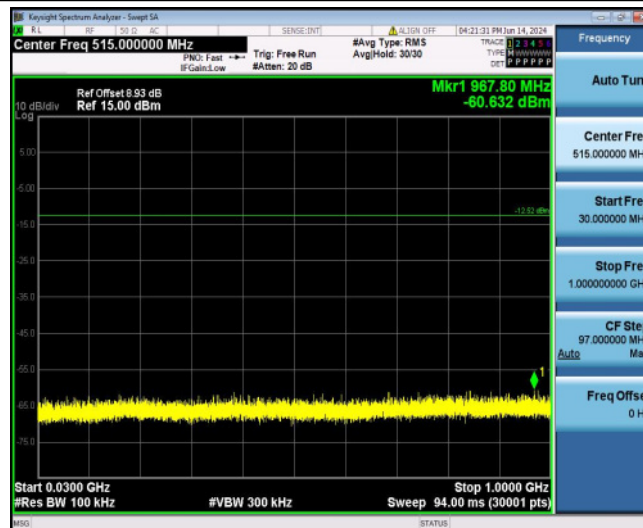
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	7.48	7.48	---	PASS
			30~1000	7.48	-60.63	≤ -12.52	PASS
			1000~26500	7.48	-47.96	≤ -12.52	PASS
		2437	Reference	7.75	7.75	---	PASS
			30~1000	7.75	-60.69	≤ -12.25	PASS
			1000~26500	7.75	-48.11	≤ -12.25	PASS
		2462	Reference	9.05	9.05	---	PASS
			30~1000	9.05	-60.17	≤ -10.95	PASS
			1000~26500	9.05	-47.81	≤ -10.95	PASS
11G	Ant1	2412	Reference	3.35	3.35	---	PASS
			30~1000	3.35	-60.2	≤ -16.65	PASS
			1000~26500	3.35	-48.35	≤ -16.65	PASS
		2437	Reference	3.53	3.53	---	PASS
			30~1000	3.53	-60.65	≤ -16.47	PASS
			1000~26500	3.53	-46.54	≤ -16.47	PASS
		2462	Reference	4.00	4.00	---	PASS
			30~1000	4.00	-60.81	≤ -16	PASS
			1000~26500	4.00	-47.59	≤ -16	PASS
11N20SISO	Ant1	2412	Reference	2.89	2.89	---	PASS
			30~1000	2.89	-60.55	≤ -17.11	PASS
			1000~26500	2.89	-48.12	≤ -17.11	PASS
		2437	Reference	3.81	3.81	---	PASS
			30~1000	3.81	-60.61	≤ -16.19	PASS
			1000~26500	3.81	-47.06	≤ -16.19	PASS
		2462	Reference	4.31	4.31	---	PASS
			30~1000	4.31	-60.03	≤ -15.69	PASS
			1000~26500	4.31	-47.53	≤ -15.69	PASS
11AX20SISO	Ant1	2412	Reference	7.94	7.94	---	PASS
			30~1000	7.94	-54.85	≤ -12.06	PASS
			1000~26500	7.94	-47.77	≤ -12.06	PASS
		2437	Reference	2.56	2.56	---	PASS
			30~1000	2.56	-60.11	≤ -17.44	PASS
			1000~26500	2.56	-47.94	≤ -17.44	PASS
		2462	Reference	1.82	1.82	---	PASS
			30~1000	1.82	-58.9	≤ -18.18	PASS
			1000~26500	1.82	-46.64	≤ -18.18	PASS

Test Graphs

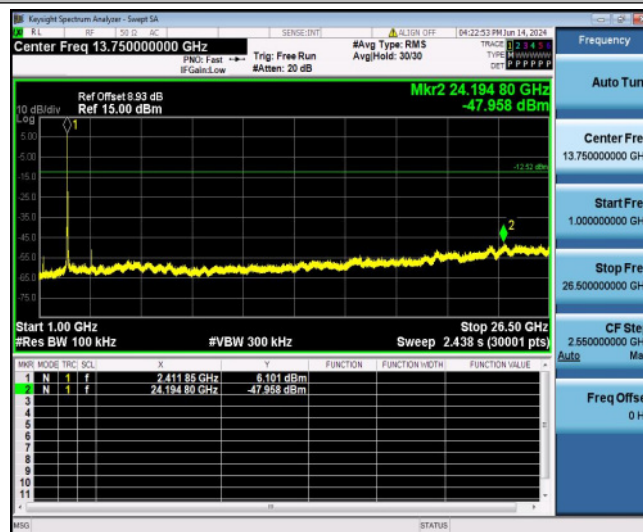
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



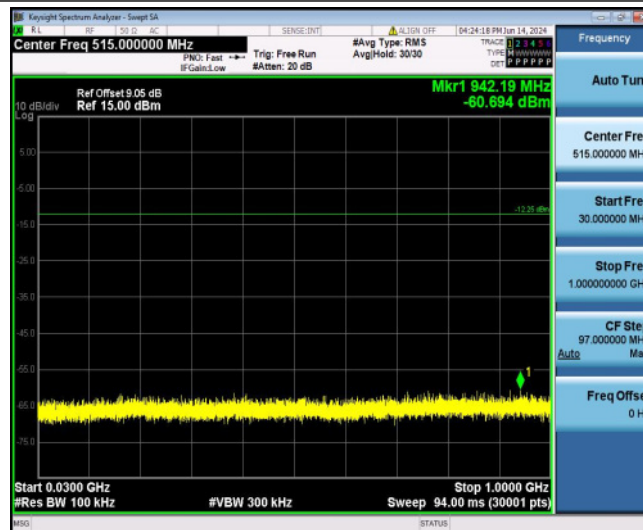
11B_Ant1_2412_1000~26500



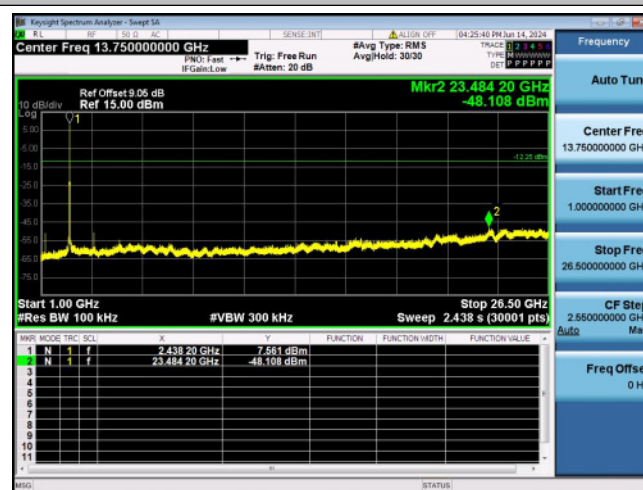
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



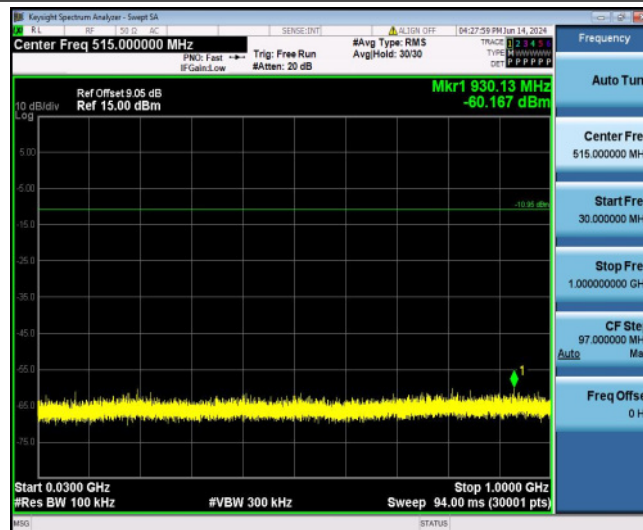
11B_Ant1_2437_1000~26500



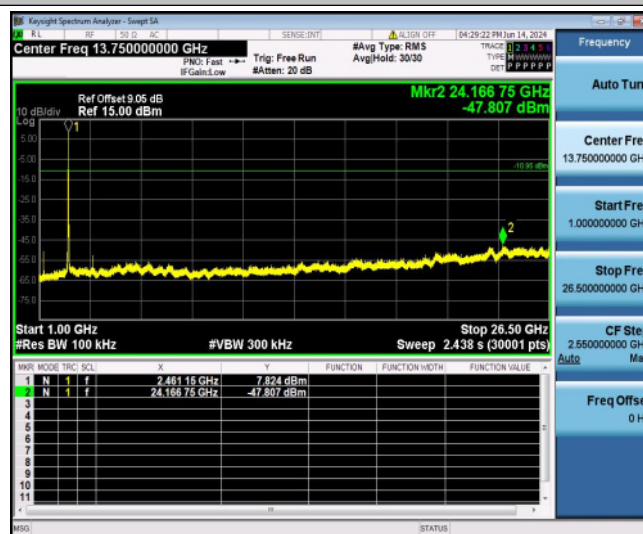
11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



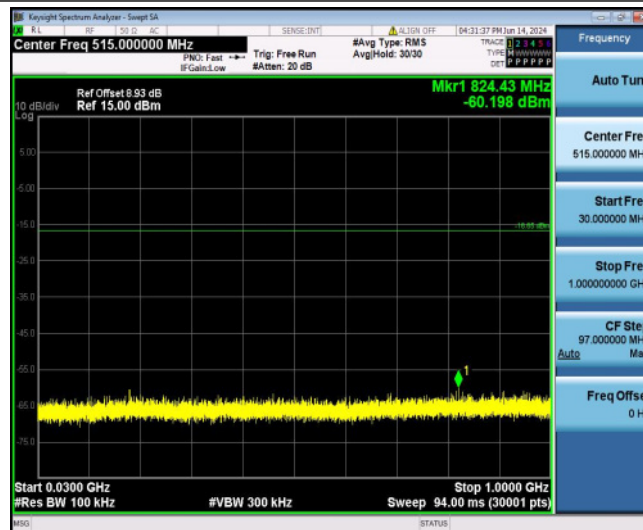
11B_Ant1_2462_1000~26500



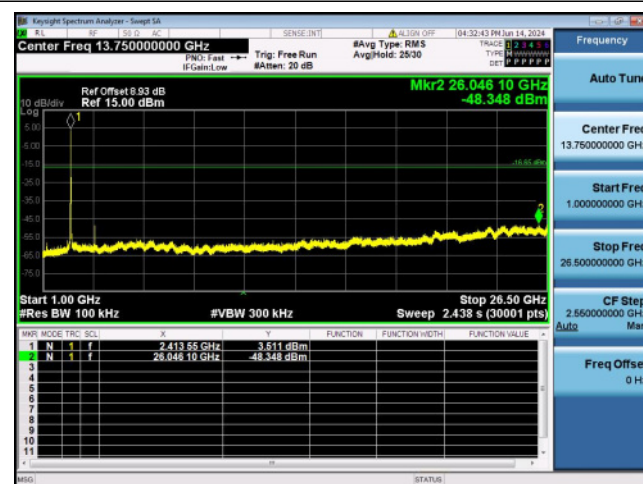
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



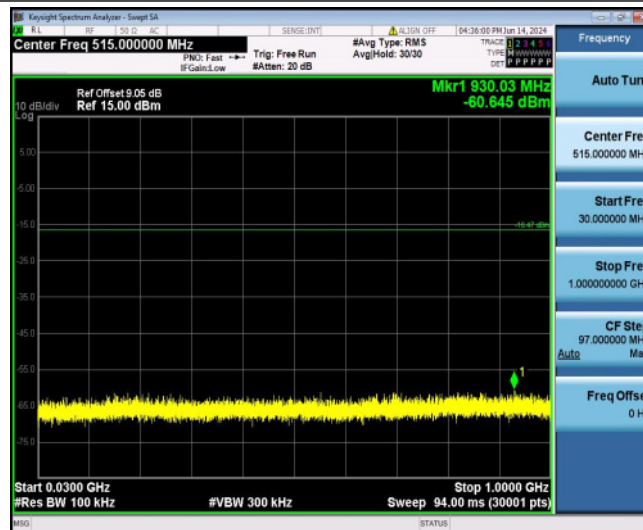
11G_Ant1_2412_1000~26500



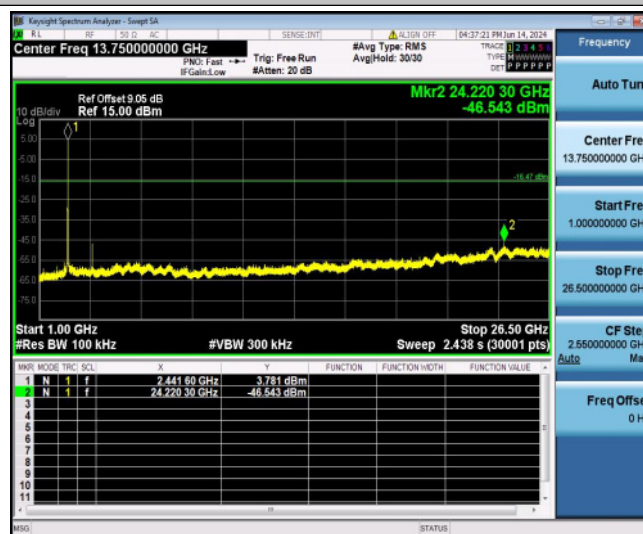
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500



11G_Ant1_2462_0~Reference

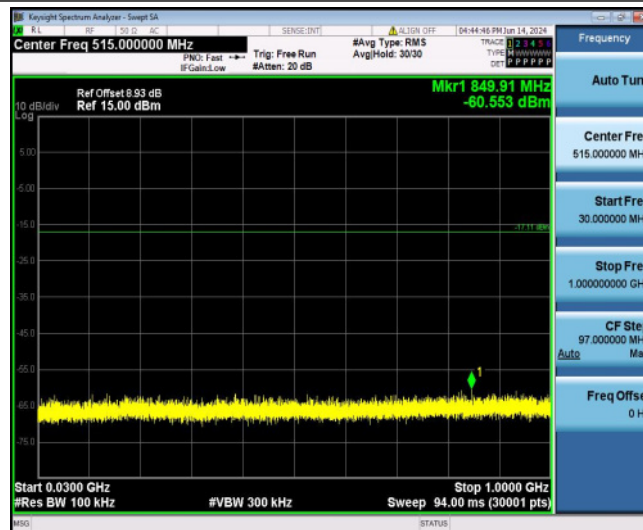
[illegible]

The screenshot displays a Keysight Spectrum Analyzer interface. The main plot shows a spectrum with a prominent peak at 3.692 GHz. The y-axis represents power in dBm, ranging from -75.0 to 10.0. The x-axis represents frequency in GHz, ranging from 1.00 to 26.50. The peak is labeled with its frequency and power level: 3.692 80 GHz and -47.589 dBm. The noise floor is indicated as -47.589 dBm. The interface includes various control panels for frequency, resolution, and measurement settings.

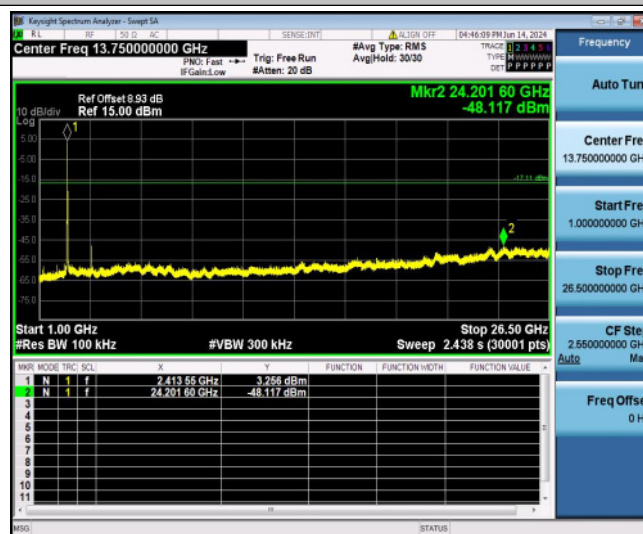
Marker	Frequency (GHz)	Power (dBm)
1	3.692	-47.589



11N20SISO_Ant1_2412_30~1000



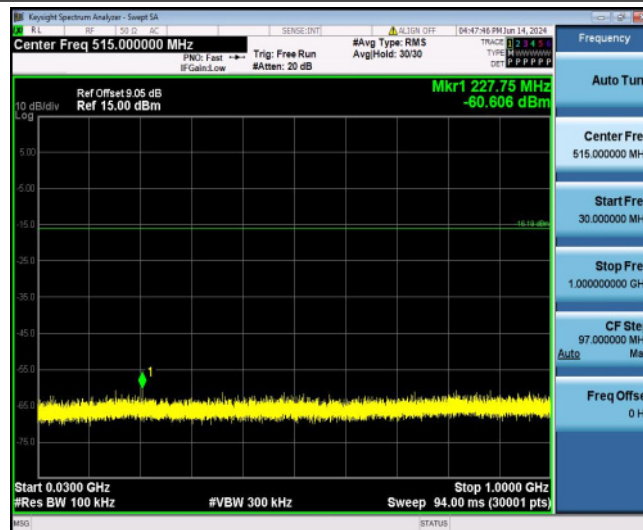
11N20SISO_Ant1_2412_1000~26500



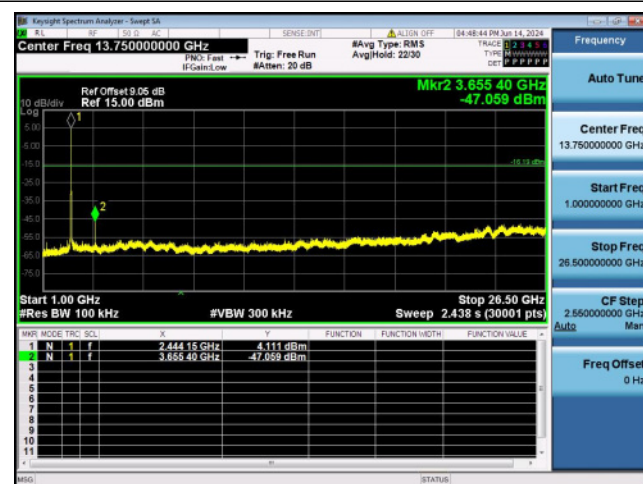
11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



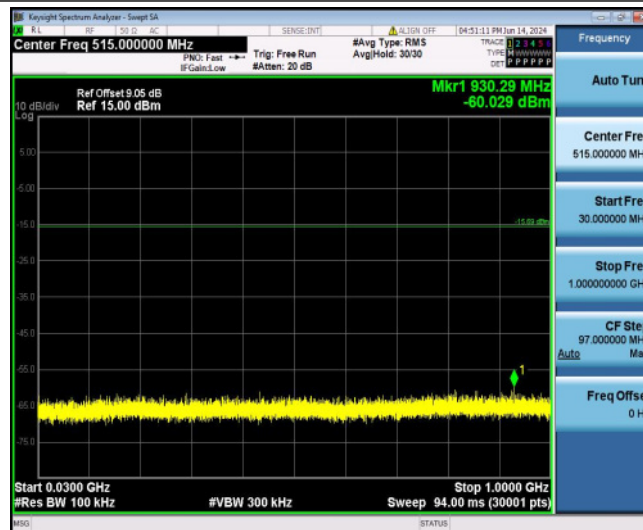
11N20SISO_Ant1_2437_1000~26500



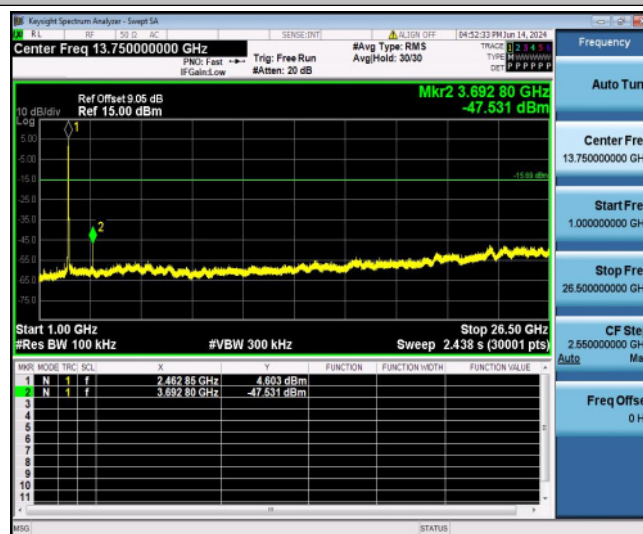
11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



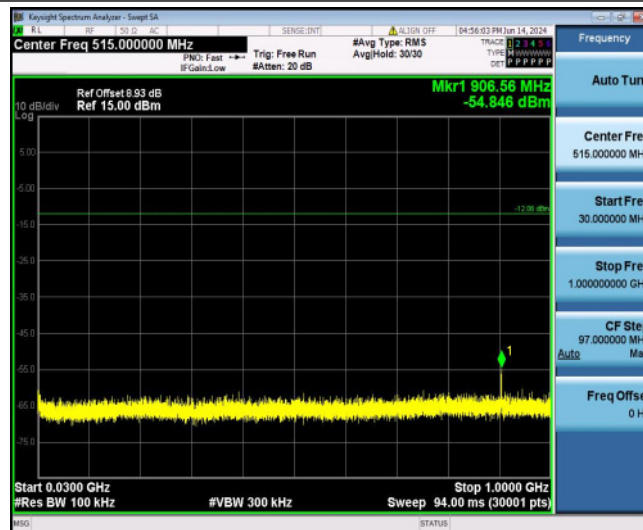
11N20SISO_Ant1_2462_1000~26500



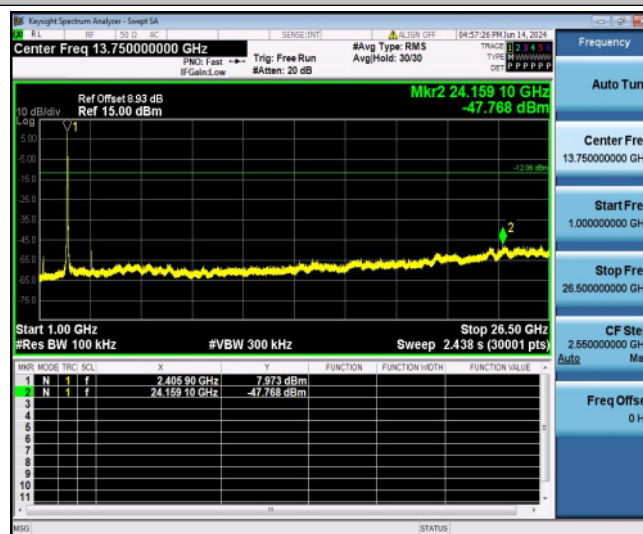
11AX20SISO_Ant1_2412_0~Reference



11AX20SISO_Ant1_2412_30~1000



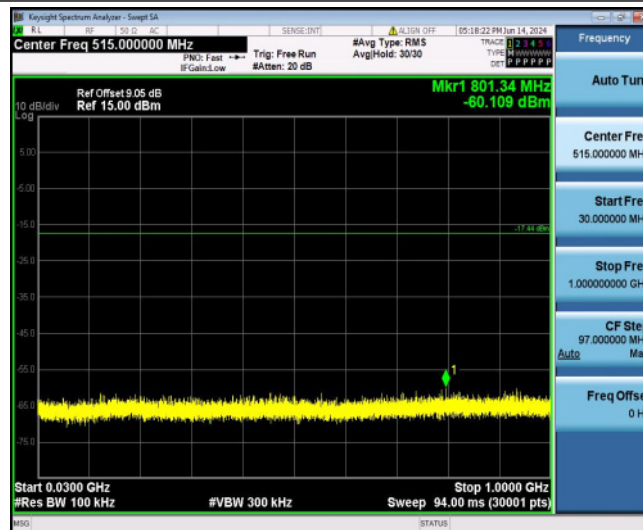
11AX20SISO_Ant1_2412_1000~26500



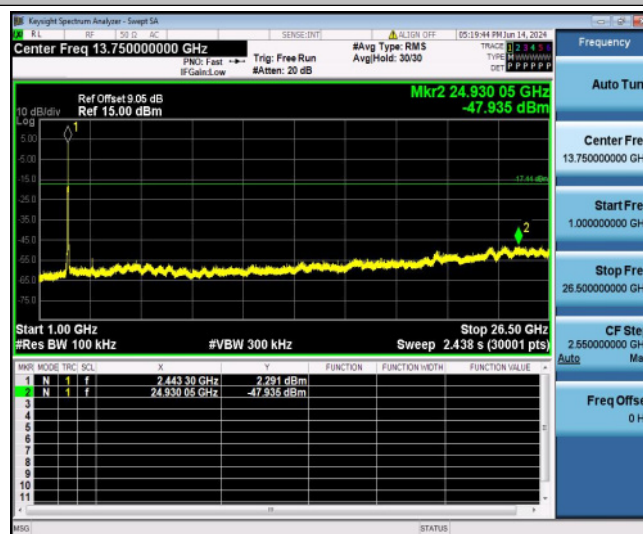
11AX20SISO_Ant1_2437_0~Reference



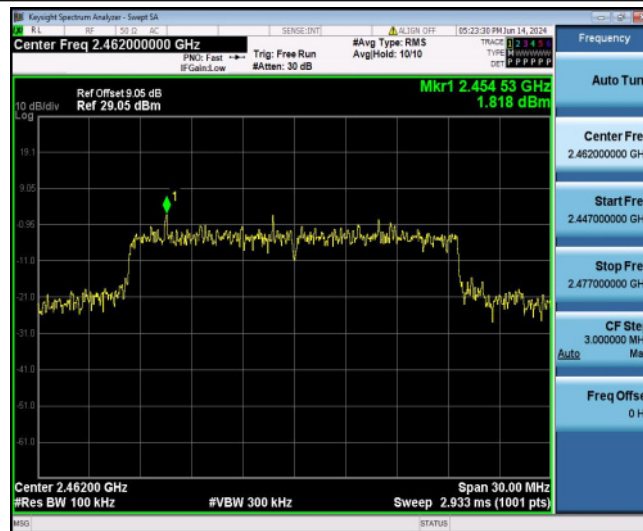
11AX20SISO_Ant1_2437_30~1000



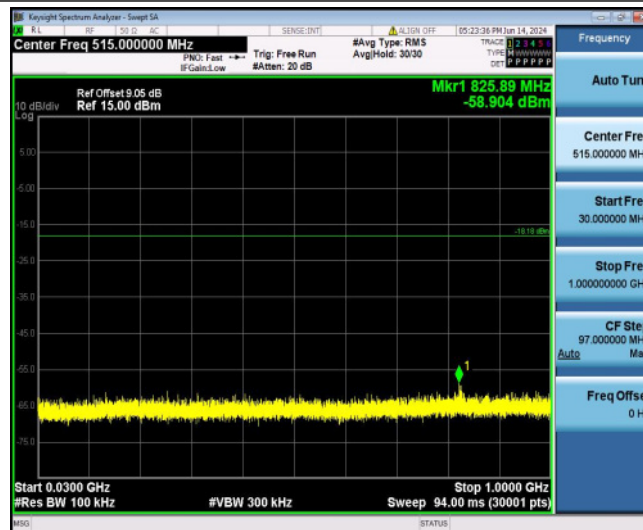
11AX20SISO_Ant1_2437_1000~26500



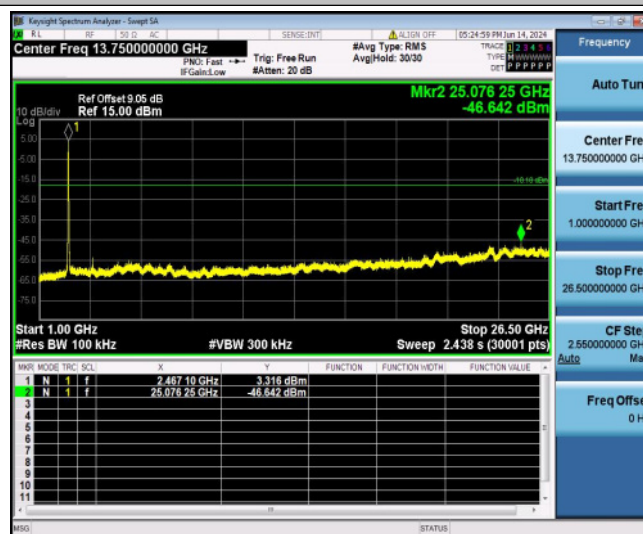
11AX20SISO_Ant1_2462_0~Reference



11AX20SISO_Ant1_2462_30~1000



11AX20SISO_Ant1_2462_1000~26500



Appendix C.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	-49.5	≤-41.20	45.70	≤54	PASS
				AV	2386.060	-41.74	≤-41.20	53.46	≤54	PASS
				AV	2390.000	-43.03	≤-41.20	52.17	≤54	PASS
				Peak	2310.000	-49.42	≤-21.20	45.78	≤74	PASS
				Peak	2385.800	-36.1	≤-21.20	59.10	≤74	PASS
				Peak	2390.000	-40.51	≤-21.20	54.69	≤74	PASS
		High	2462	AV	2483.500	-45.32	≤-41.20	49.88	≤54	PASS
				AV	2487.630	-44.36	≤-41.20	50.84	≤54	PASS
				AV	2500.000	-48.35	≤-41.20	46.85	≤54	PASS
				Peak	2483.500	-41.5	≤-21.20	53.70	≤74	PASS
				Peak	2488.840	-38.7	≤-21.20	56.50	≤74	PASS
				Peak	2500.000	-45.78	≤-21.20	49.42	≤74	PASS
11G	Ant1	Low	2412	AV	2310.000	-1000	≤-41.20	-904.80	≤54	PASS
				AV	2310.010	-1000	≤-41.20	-904.80	≤54	PASS
				AV	2390.000	-1000	≤-41.20	-904.80	≤54	PASS
				Peak	2310.000	-49.21	≤-21.20	45.99	≤74	PASS
				Peak	2389.700	-28.08	≤-21.20	67.12	≤74	PASS
				Peak	2390.000	-31.17	≤-21.20	64.03	≤74	PASS
		High	2462	AV	2483.500	-42.6	≤-41.20	52.60	≤54	PASS
				AV	2483.560	-42.82	≤-41.20	52.38	≤54	PASS
				AV	2500.000	-48.76	≤-41.20	46.44	≤54	PASS
				Peak	2483.500	-39.15	≤-21.20	56.05	≤74	PASS
				Peak	2484.110	-34.55	≤-21.20	60.65	≤74	PASS
				Peak	2500.000	-44.73	≤-21.20	50.47	≤74	PASS
11N20SISO	Ant1	Low	2412	AV	2310.000	-49.6	≤-41.20	45.60	≤54	PASS
				AV	2389.960	-43.84	≤-41.20	51.36	≤54	PASS
				AV	2390.000	-43.84	≤-41.20	51.36	≤54	PASS
				Peak	2310.000	-46.48	≤-21.20	48.72	≤74	PASS
				Peak	2389.700	-35.92	≤-21.20	59.28	≤74	PASS
				Peak	2390.000	-36.51	≤-21.20	58.69	≤74	PASS
		High	2462	AV	2483.500	-42.96	≤-41.20	52.24	≤54	PASS
				AV	2483.560	-43.08	≤-41.20	52.12	≤54	PASS
				AV	2500.000	-48.81	≤-41.20	46.39	≤54	PASS
				Peak	2483.500	-45.23	≤-21.20	49.97	≤74	PASS

11AX20SISO	Ant1			Peak	2483.560	-36.98	≤ -21.20	58.22	≤ 74	PASS
				Peak	2500.000	-45.17	≤ -21.20	50.03	≤ 74	PASS
		Low	2412	AV	2310.000	-49.75	≤ -41.20	45.45	≤ 54	PASS
				AV	2389.960	-42.34	≤ -41.20	52.86	≤ 54	PASS
				AV	2390.000	-42.34	≤ -41.20	52.86	≤ 54	PASS
				Peak	2310.000	-46.43	≤ -21.20	48.77	≤ 74	PASS
				Peak	2387.490	-27.51	≤ -21.20	67.69	≤ 74	PASS
				Peak	2390.000	-35.86	≤ -21.20	59.34	≤ 74	PASS
		High	2462	AV	2483.500	-42.2	≤ -41.20	53.00	≤ 54	PASS
				AV	2483.560	-42.31	≤ -41.20	52.89	≤ 54	PASS
				AV	2500.000	-48.72	≤ -41.20	46.48	≤ 54	PASS
				Peak	2483.500	-37.56	≤ -21.20	57.64	≤ 74	PASS
				Peak	2484.330	-34.8	≤ -21.20	60.40	≤ 74	PASS
				Peak	2500.000	-46.51	≤ -21.20	48.69	≤ 74	PASS

Note:

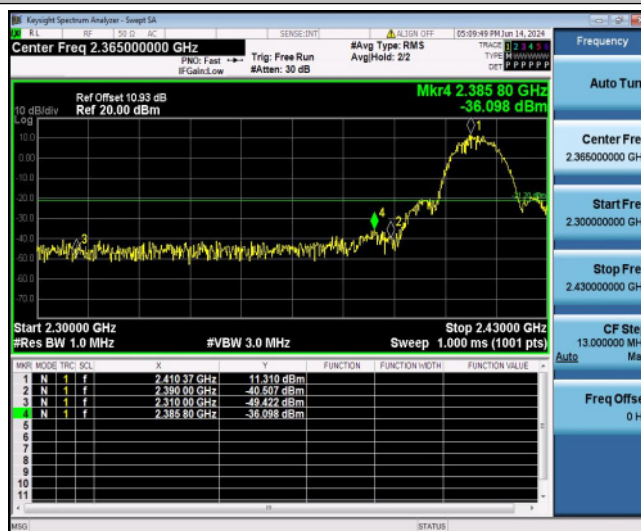
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

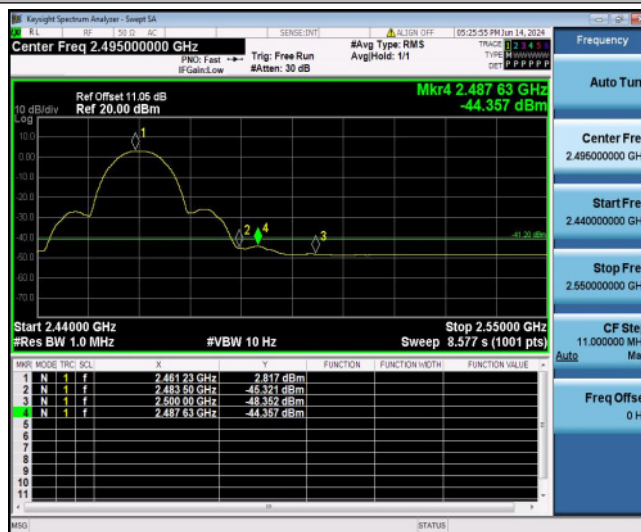
11B_Ant1_Low_2412_AV



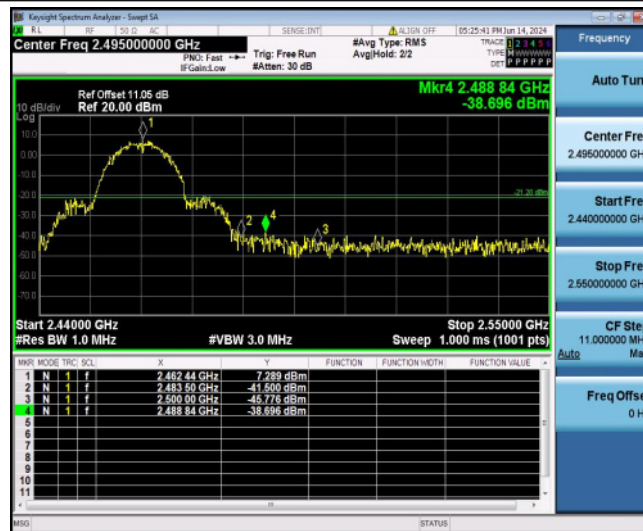
11B_Ant1_Low_2412_Peak



11B_Ant1_High_2462_AV



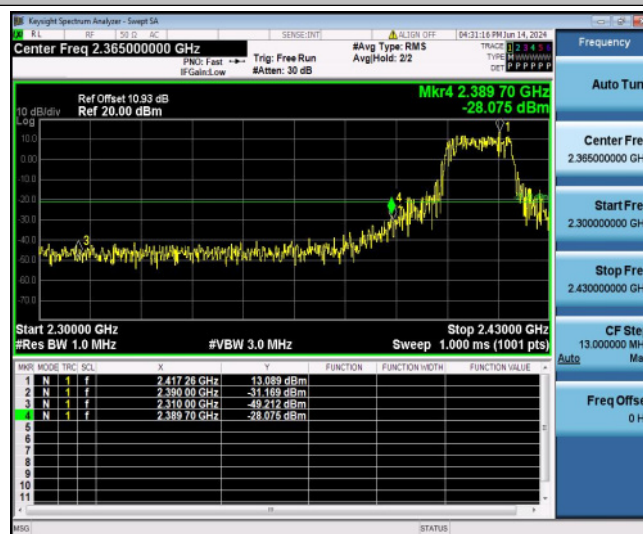
11B_Ant1_High_2462_Peak



11G_Ant1_Low_2412_AV



11G_Ant1_Low_2412_Peak



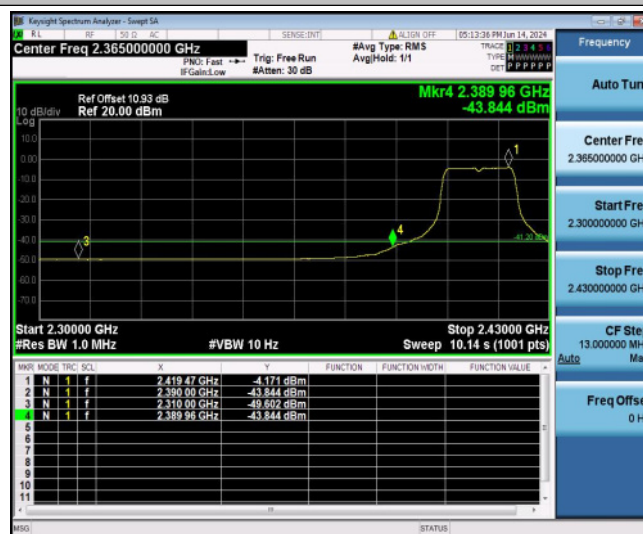
11G_Ant1_High_2462_AV



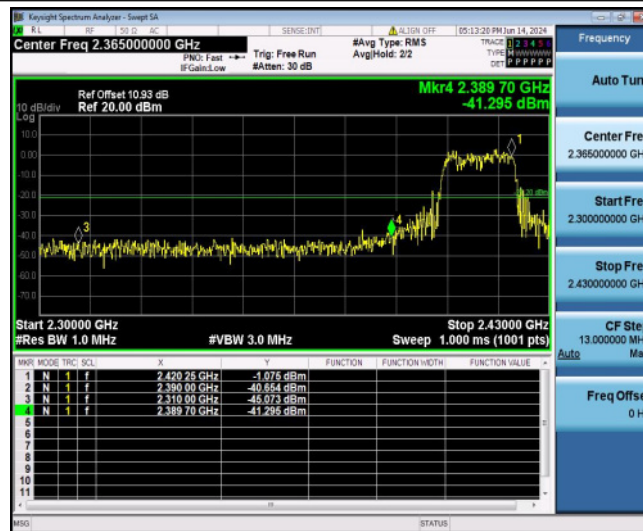
11G_Ant1_High_2462_Peak



11N20SISO_Ant1_Low_2412_AV



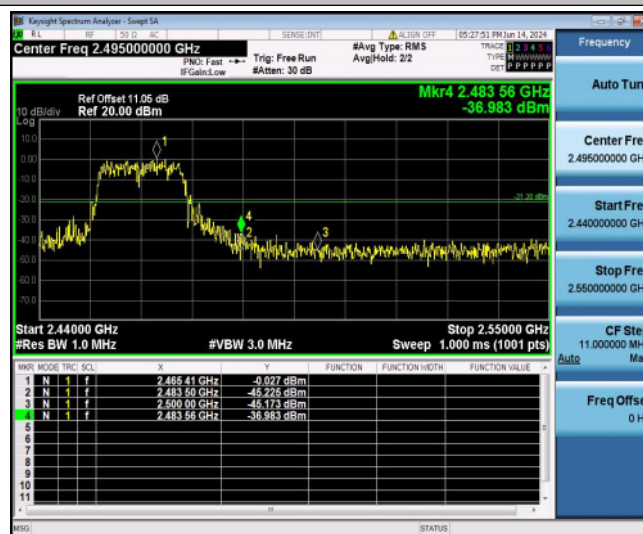
11N20SISO_Ant1_Low_2412_Peak



11N20SISO_Ant1_High_2462_AV



11N20SISO_Ant1_High_2462_Peak



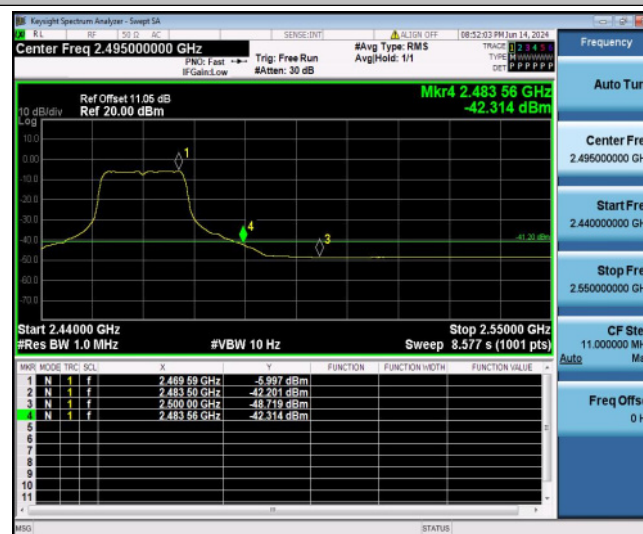
11AX20SISO_Ant1_Low_2412_AV



11AX20SISO_Ant1_Low_2412_Peak



11AX20SISO_Ant1_High_2462_AV



11AX20SISO_Ant1_High_2462_Peak

