

Case No. : GTS20221019011-1-10	
Ambient Condition: 25 °C, 45 %RH, Atmos100.1Kpa,	
Test Date: 2022.12.06	Test Engineer: Jenny zeng

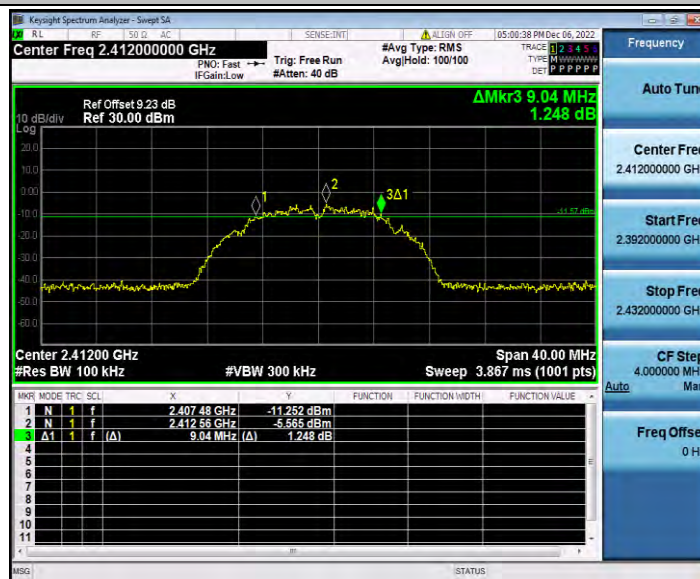
Appendix B.1: DTS Bandwidth

Test Result

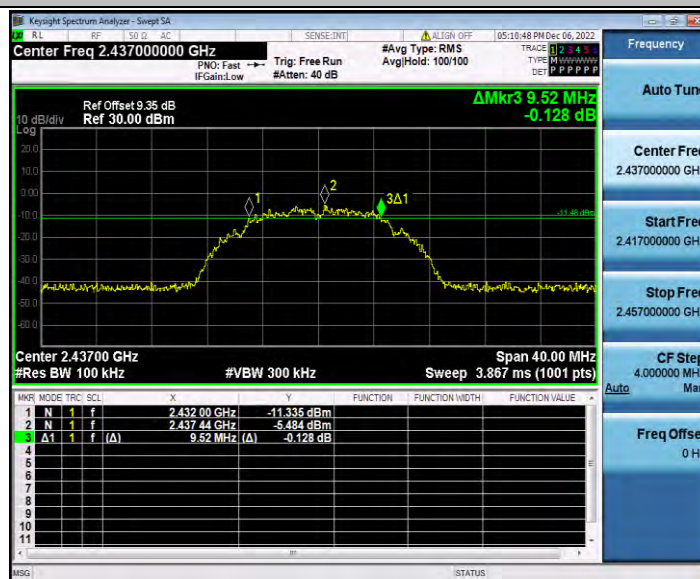
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.040	2407.480	2416.520	0.5	PASS
		2437	9.520	2432.000	2441.520	0.5	PASS
		2462	9.560	2456.960	2466.520	0.5	PASS
11G	Ant1	2412	16.400	2403.800	2420.200	0.5	PASS
		2437	16.400	2428.800	2445.200	0.5	PASS
		2462	16.400	2453.800	2470.200	0.5	PASS
11N20SISO	Ant1	2412	17.320	2403.440	2420.760	0.5	PASS
		2437	17.320	2428.440	2445.760	0.5	PASS
		2462	17.080	2453.440	2470.520	0.5	PASS
11N40SISO	Ant1	2422	32.640	2406.000	2438.640	0.5	PASS
		2437	32.480	2421.000	2453.480	0.5	PASS
		2452	32.880	2435.760	2468.640	0.5	PASS

Test Graphs

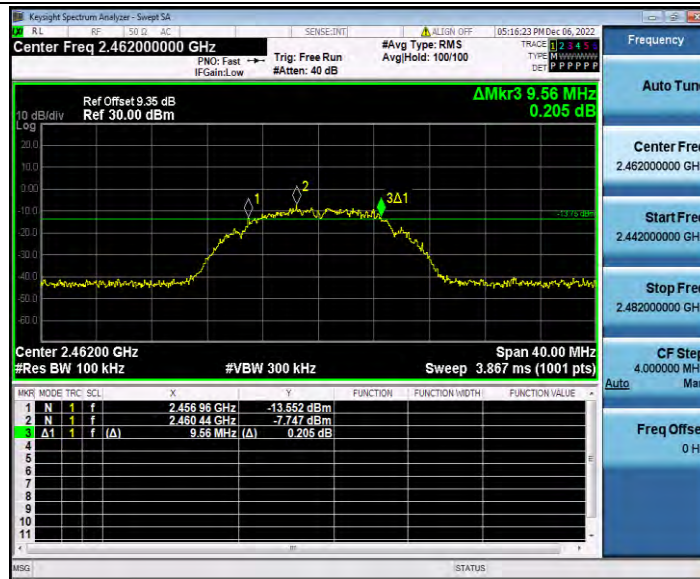
11B_Ant1_2412



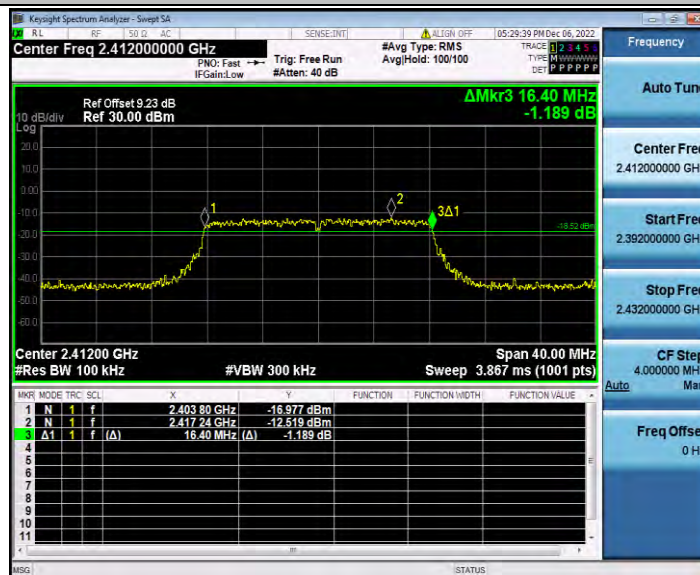
11B_Ant1_2437



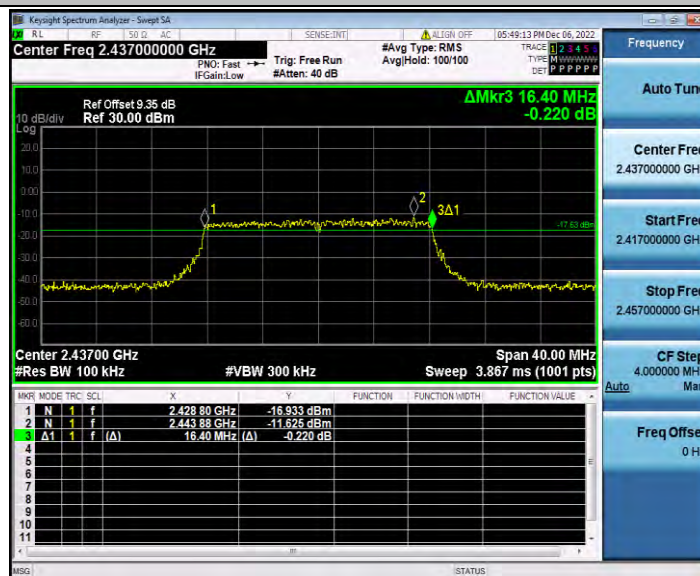
11B_Ant1_2462



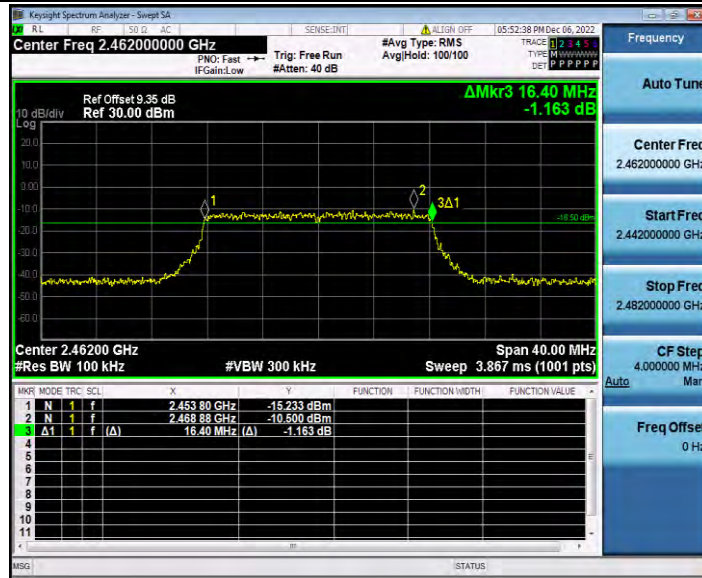
11G_Ant1_2412



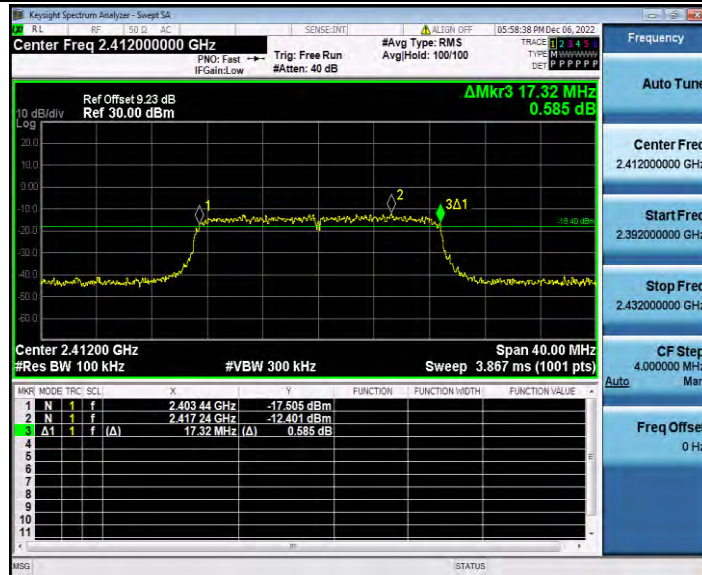
11G_Ant1_2437



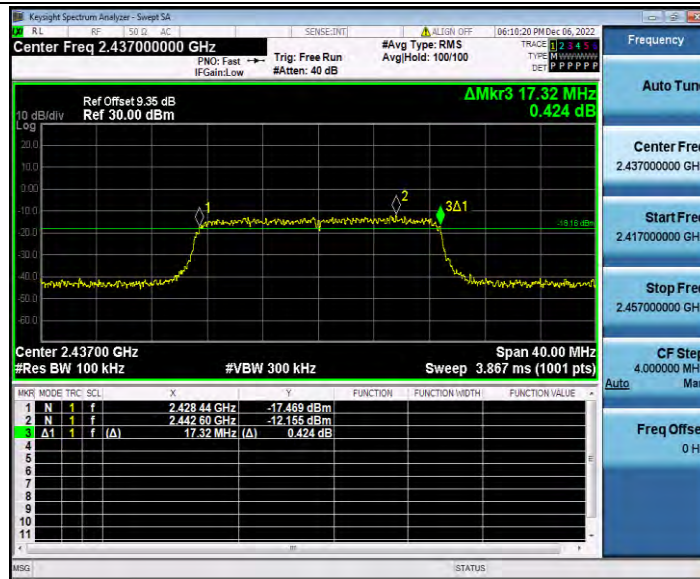
11G_Ant1_2462



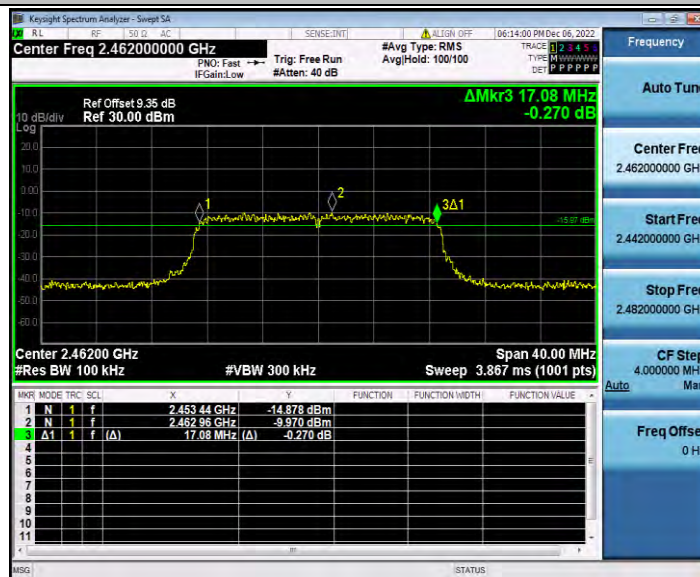
11N20SISO_Ant1_2412



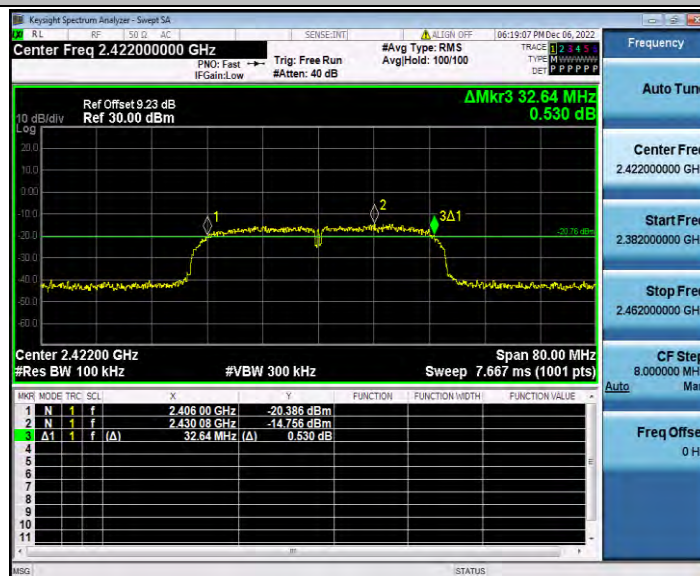
11N20SISO_Ant1_2437



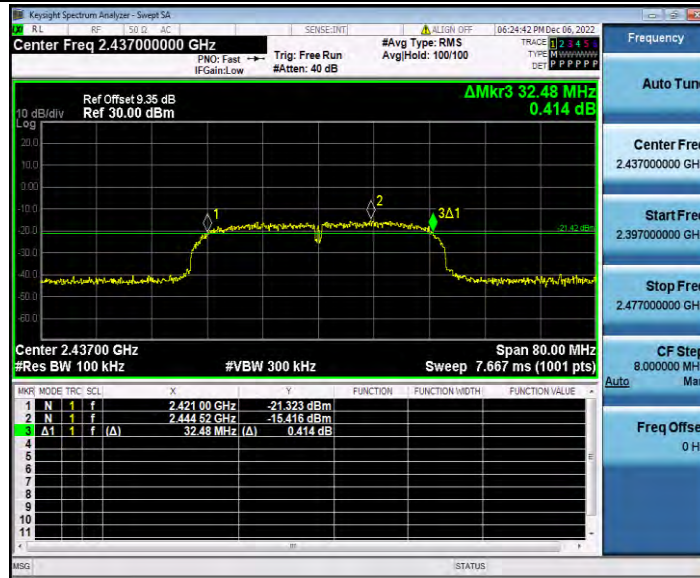
11N20SISO_Ant1_2462



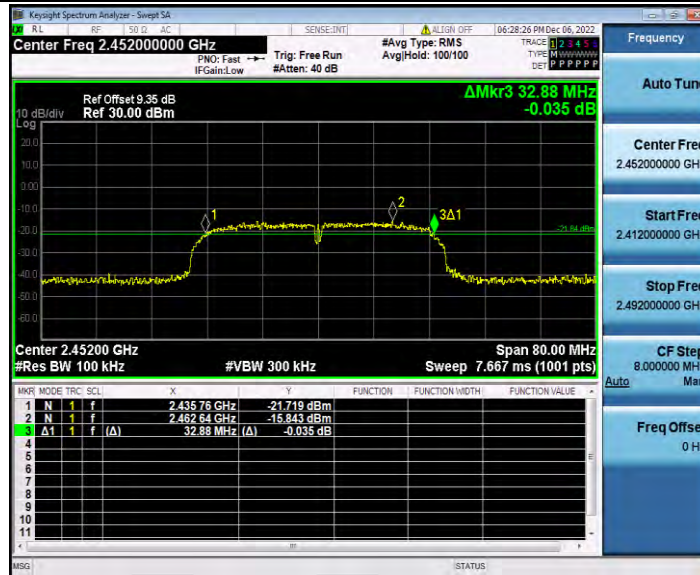
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



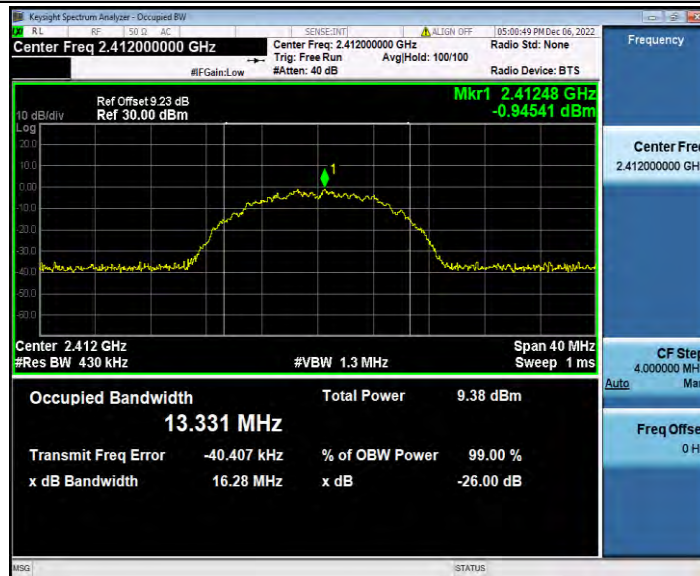
Appendix B.2: Occupied Channel Bandwidth

Test Result

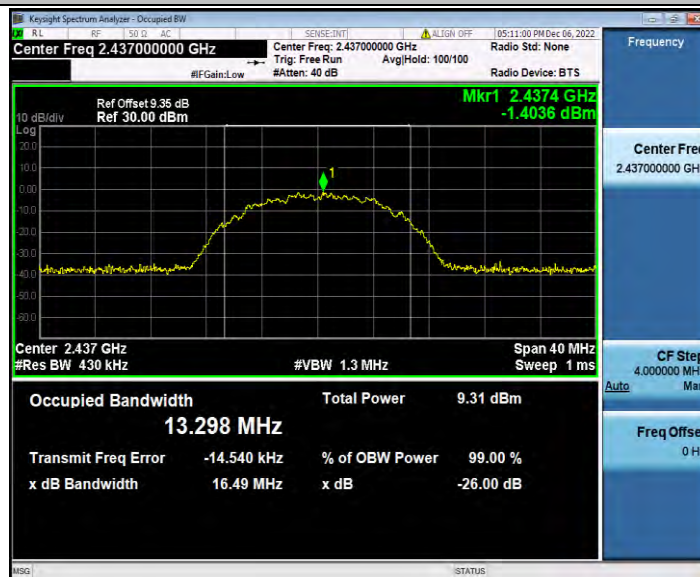
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.331	2405.294	2418.625	---	---
		2437	13.298	2430.336	2443.634	---	---
		2462	13.478	2455.199	2468.677	---	---
11G	Ant1	2412	16.672	2403.688	2420.360	---	---
		2437	16.725	2428.711	2445.436	---	---
		2462	16.658	2453.701	2470.359	---	---
11N20SISO	Ant1	2412	17.487	2403.266	2420.753	---	---
		2437	17.453	2428.304	2445.757	---	---
		2462	17.416	2453.303	2470.719	---	---
11N40SISO	Ant1	2422	35.014	2404.643	2439.657	---	---
		2437	35.037	2419.605	2454.642	---	---
		2452	35.045	2434.582	2469.627	---	---

Test Graphs

11B_Ant1_2412



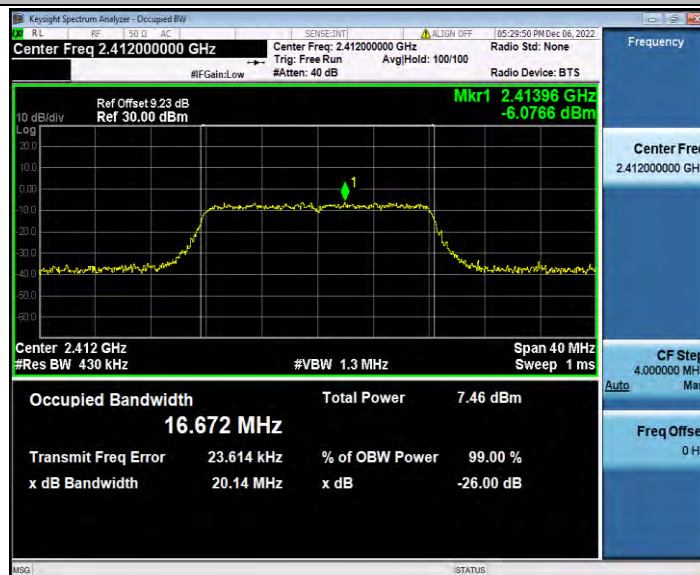
11B_Ant1_2437



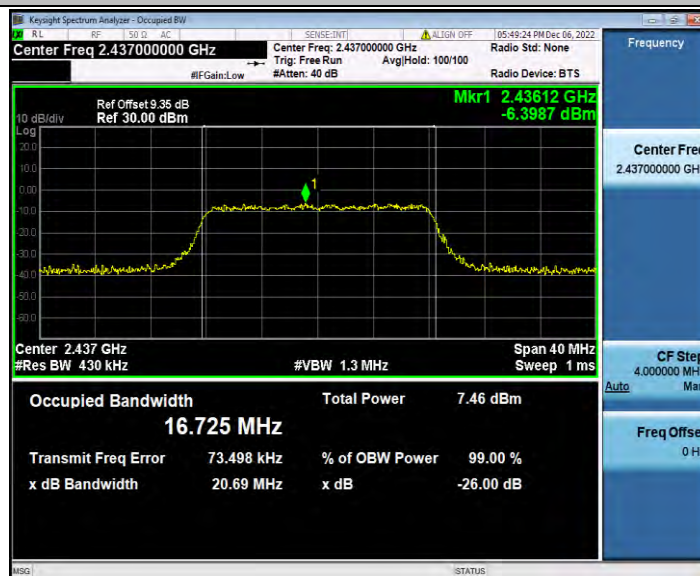
11B_Ant1_2462



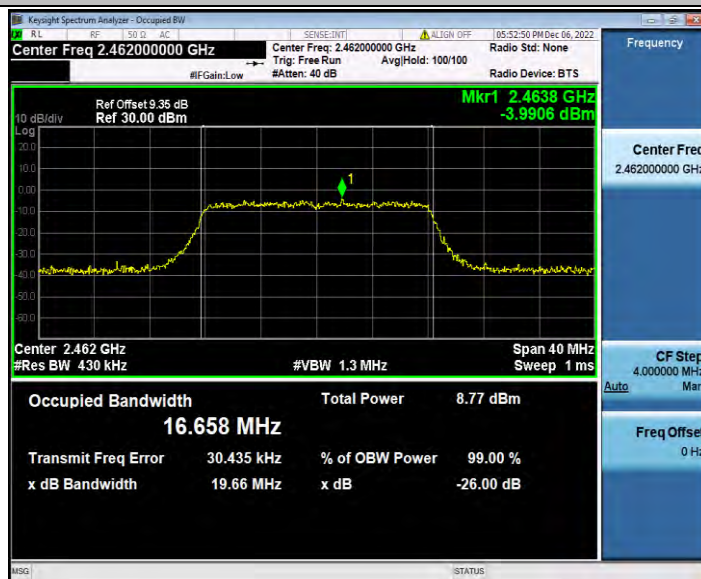
11G_Ant1_2412



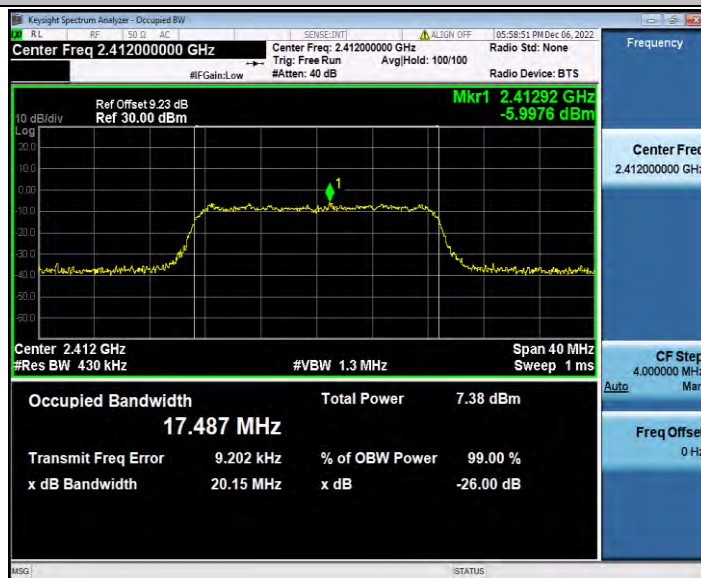
11G_Ant1_2437



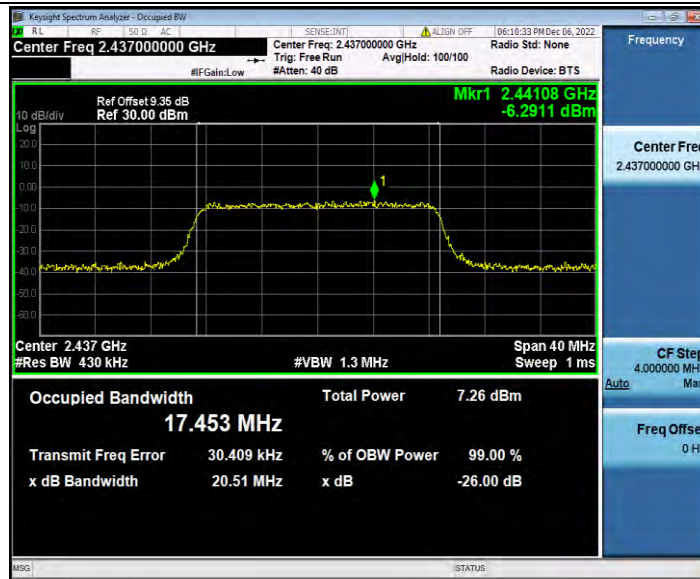
11G_Ant1_2462



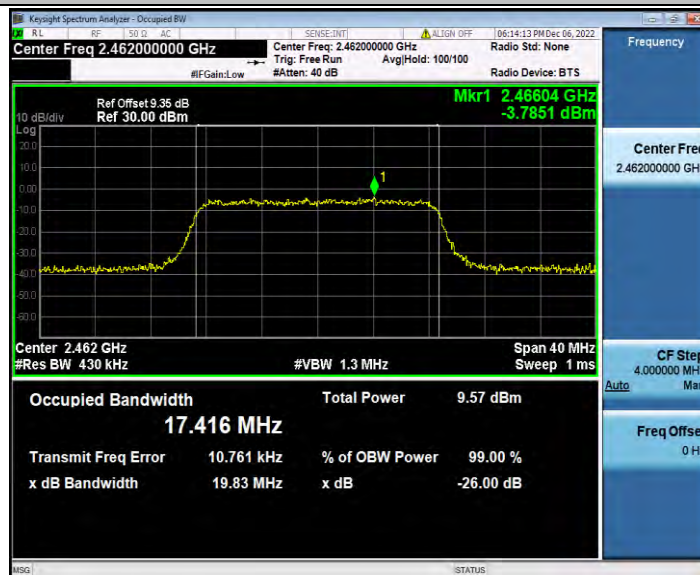
11N20SISO_Ant1_2412



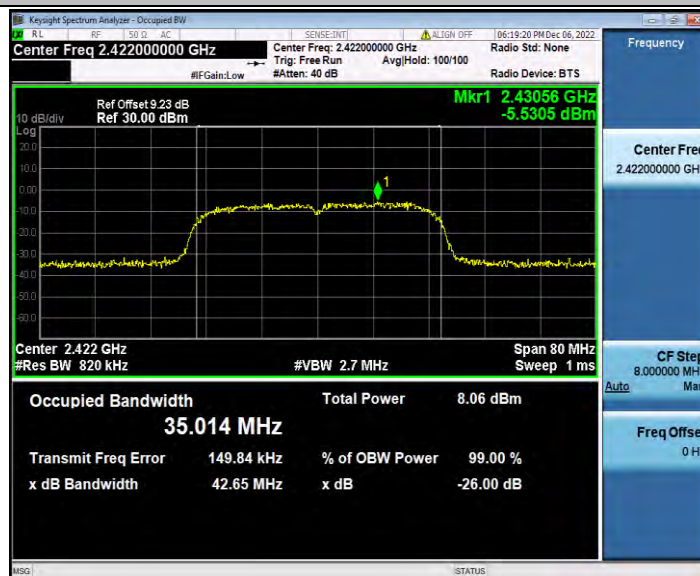
11N20SISO_Ant1_2437



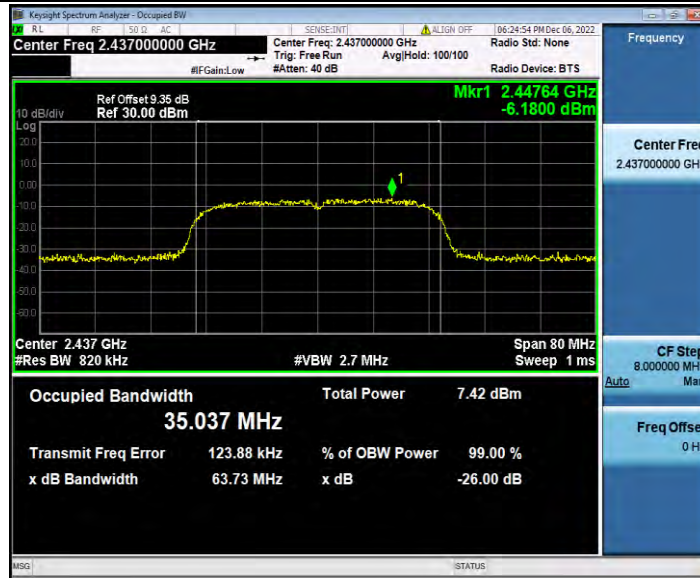
11N20SISO_Ant1_2462



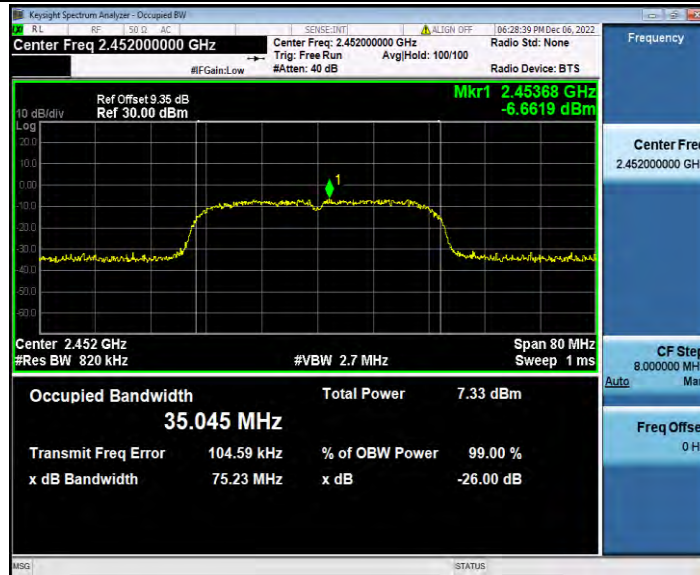
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix B.3: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	8.53	≤30.00	PASS
		2437	8.55	≤30.00	PASS
		2462	7.53	≤30.00	PASS
11G	Ant1	2412	8.15	≤30.00	PASS
		2437	8.18	≤30.00	PASS
		2462	8.47	≤30.00	PASS
11N20SISO	Ant1	2412	8.13	≤30.00	PASS
		2437	8.02	≤30.00	PASS
		2462	8.43	≤30.00	PASS
11N40SISO	Ant1	2422	8.25	≤30.00	PASS
		2437	7.65	≤30.00	PASS
		2452	7.53	≤30.00	PASS

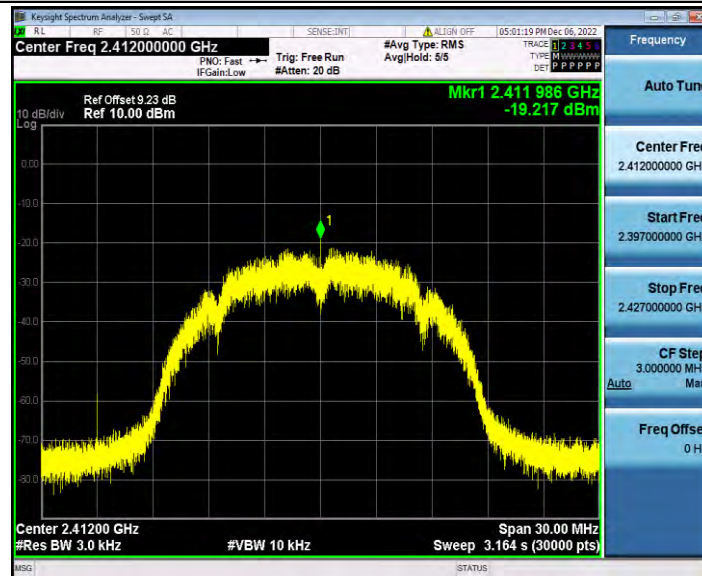
Appendix B.4: Maximum power spectral density

Test Result

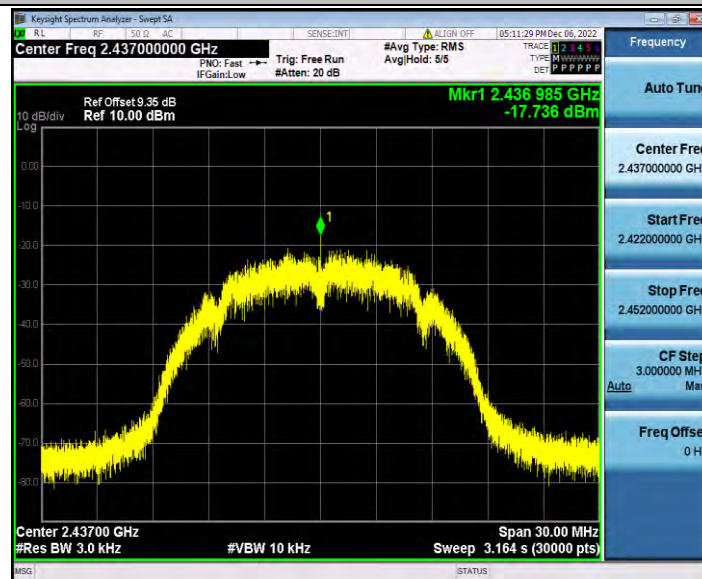
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-19.22	≤8.00	PASS
		2437	-17.74	≤8.00	PASS
		2462	-17.46	≤8.00	PASS
11G	Ant1	2412	-20.55	≤8.00	PASS
		2437	-18.65	≤8.00	PASS
		2462	-20.14	≤8.00	PASS
11N20SISO	Ant1	2412	-22.65	≤8.00	PASS
		2437	-18.74	≤8.00	PASS
		2462	-16.84	≤8.00	PASS
11N40SISO	Ant1	2422	-20.95	≤8.00	PASS
		2437	-20.48	≤8.00	PASS
		2452	-20.25	≤8.00	PASS

Test Graphs

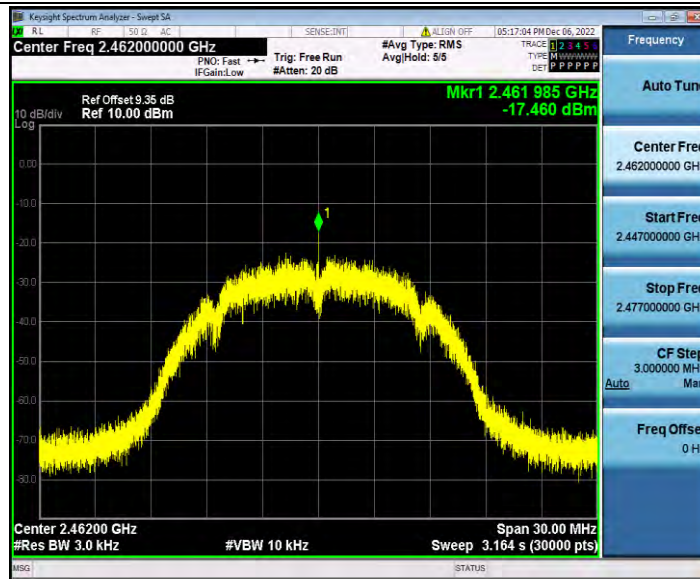
11B_Ant1_2412



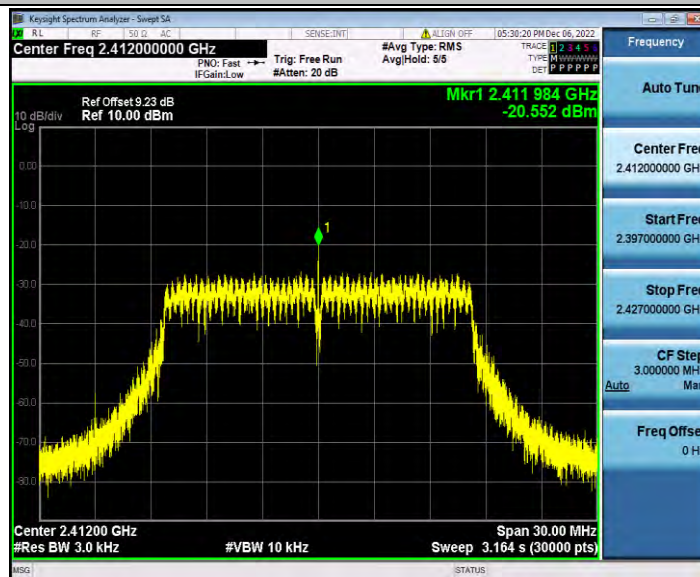
11B_Ant1_2437



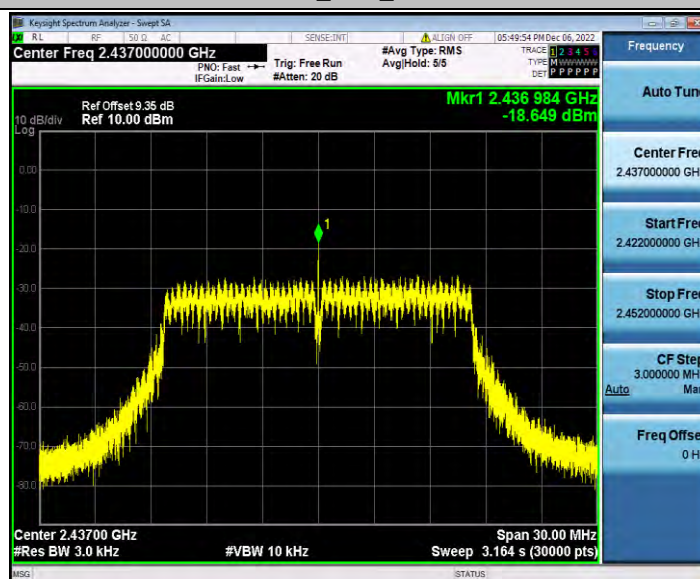
11B_Ant1_2462



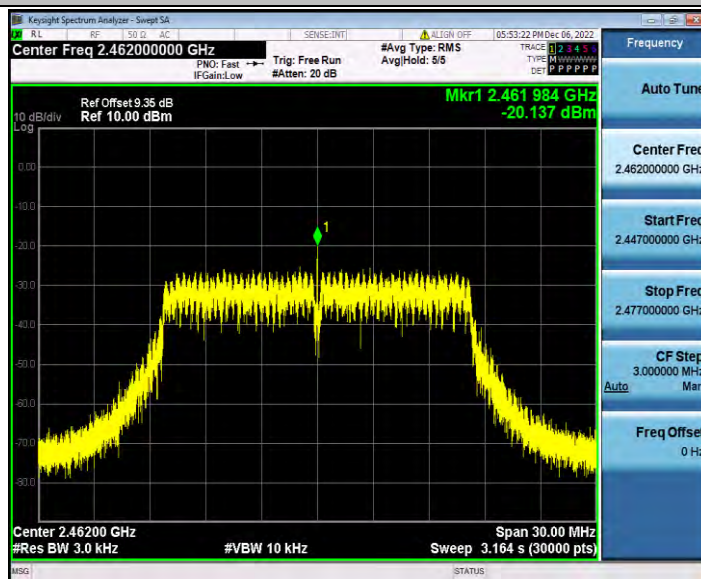
11G_Ant1_2412



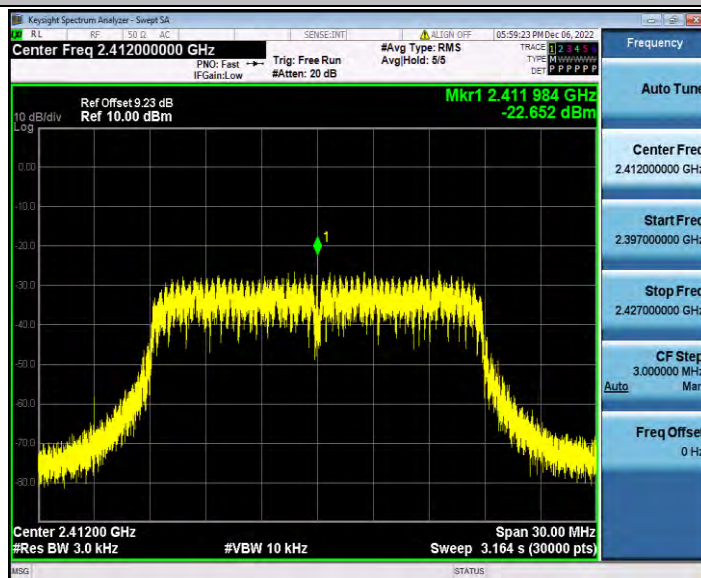
11G_Ant1_2437



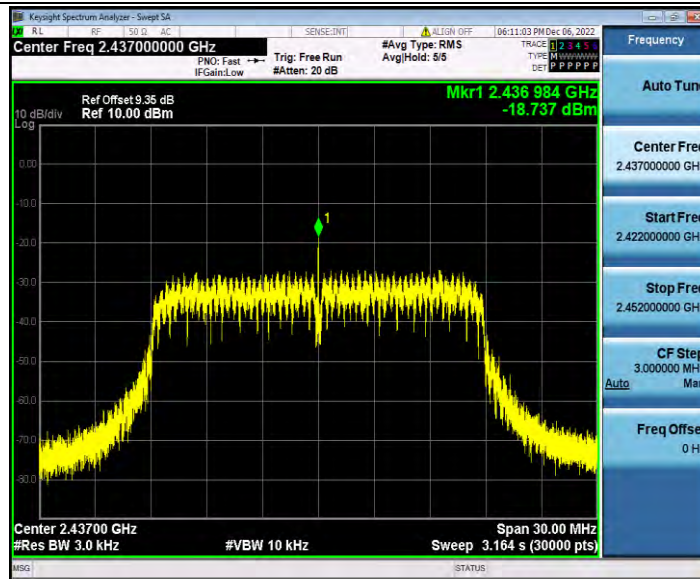
11G_Ant1_2462



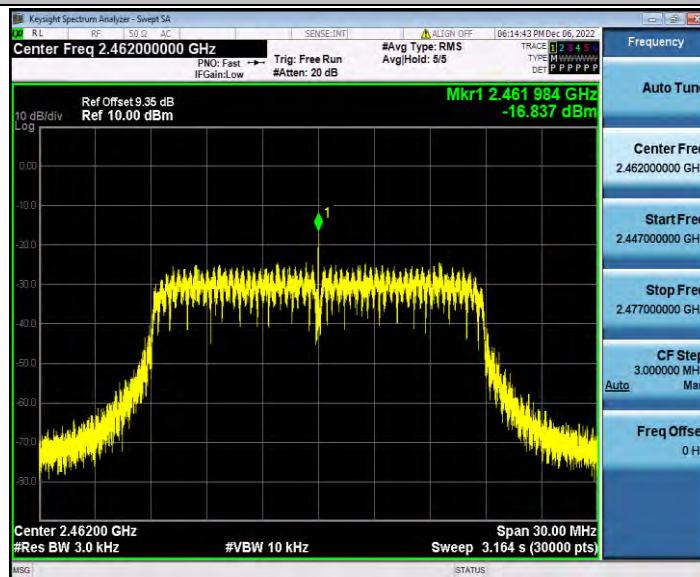
11N20SISO_Ant1_2412



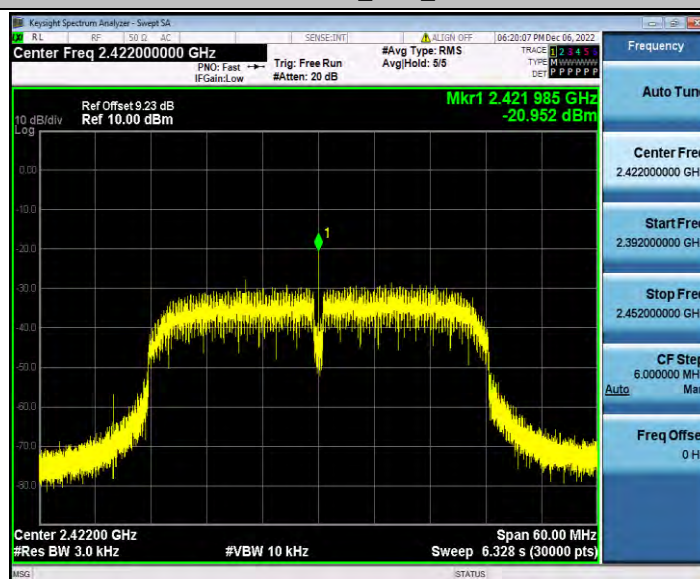
11N20SISO_Ant1_2437



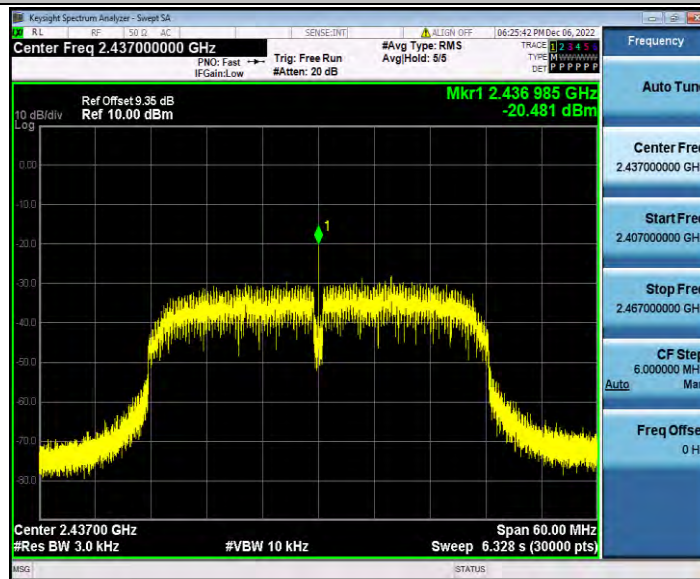
11N20SISO_Ant1_2462



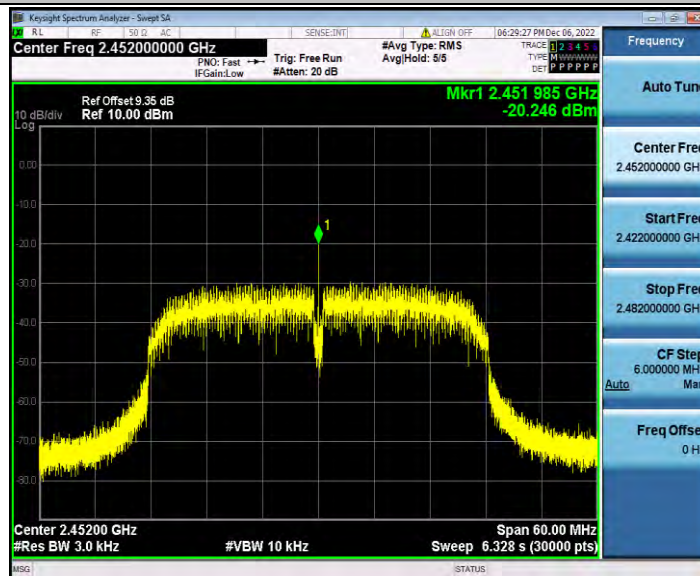
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



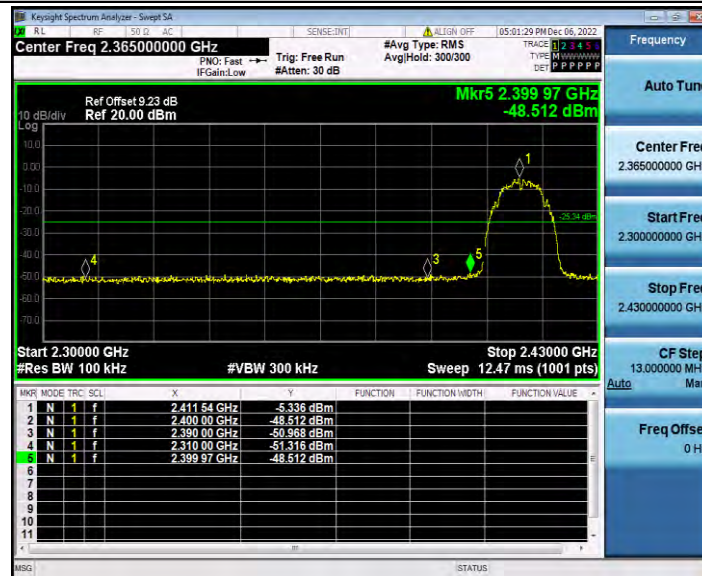
Appendix B.5: Band edge measurements

Test Result

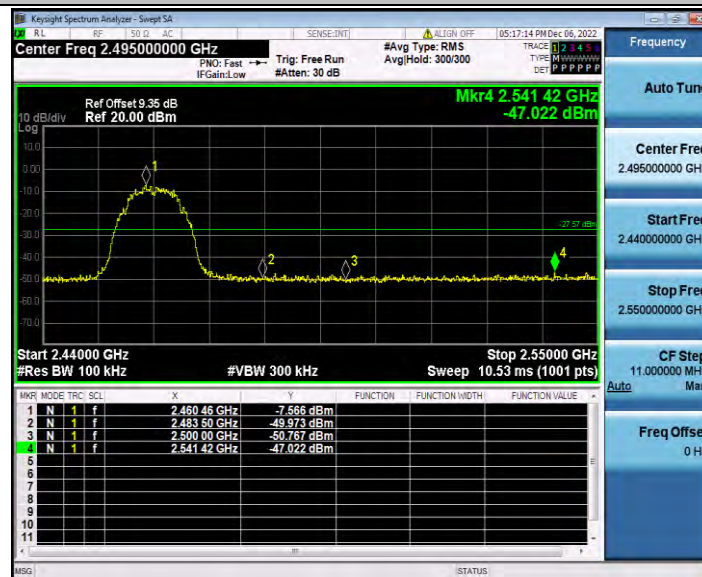
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-5.34	-48.51	≤ -25.34	PASS
		High	2462	-7.57	-47.02	≤ -27.57	PASS
11G	Ant1	Low	2412	-11.75	-47.87	≤ -31.75	PASS
		High	2462	-10.58	-47.1	≤ -30.58	PASS
11N20SISO	Ant1	Low	2412	-12.11	-47.21	≤ -32.11	PASS
		High	2462	-9.51	-47.17	≤ -29.51	PASS
11N40SISO	Ant1	Low	2422	-15.47	-47.04	≤ -35.47	PASS
		High	2452	-15.53	-46.7	≤ -35.53	PASS

Test Graphs

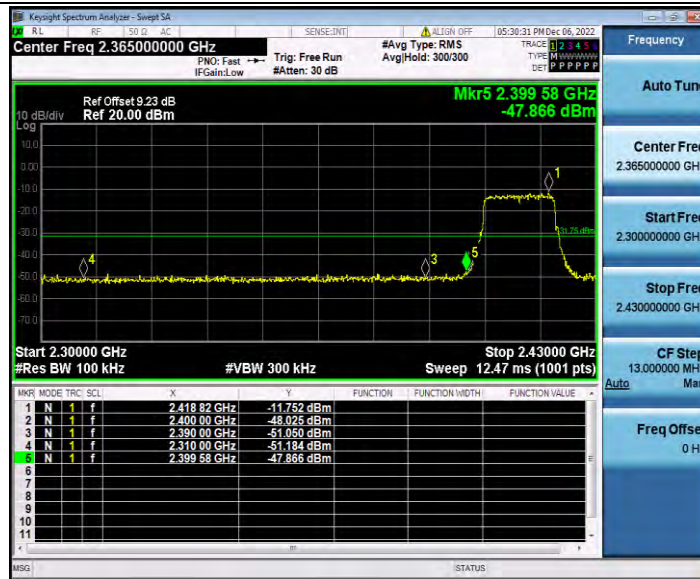
11B_Ant1_Low_2412



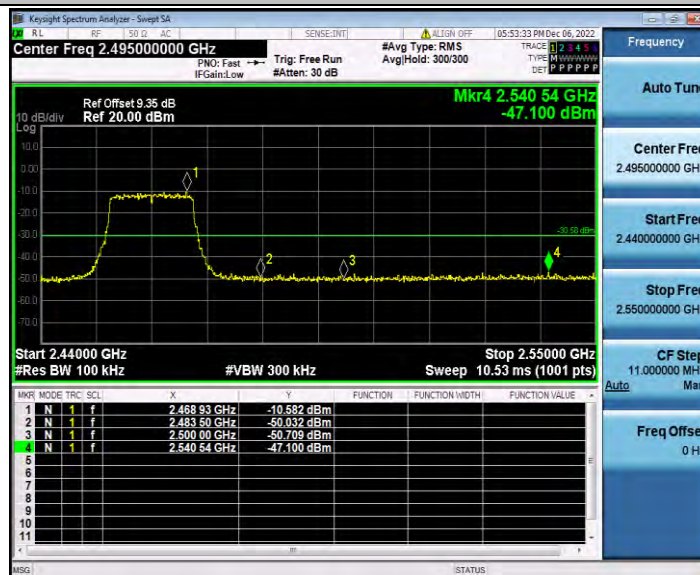
11B_Ant1_High_2462



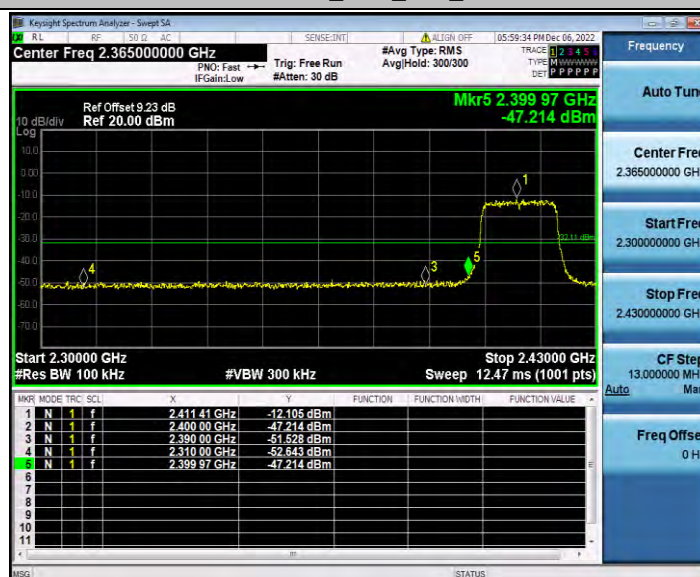
11G_Ant1_Low_2412



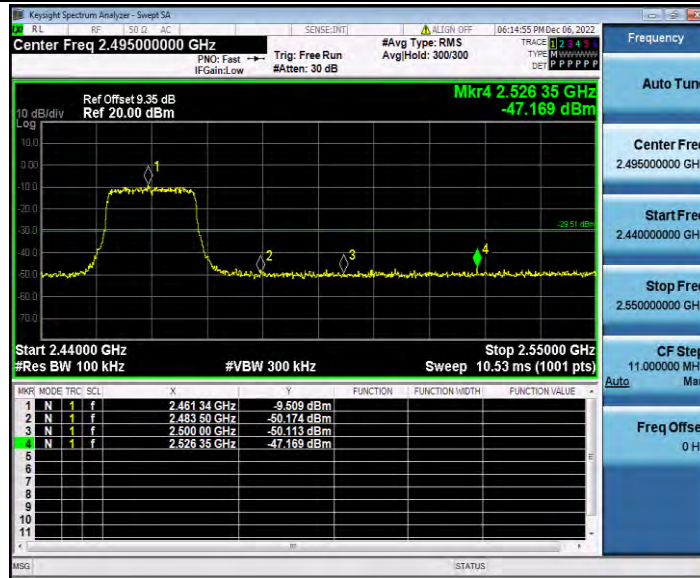
11G_Ant1_High_2462



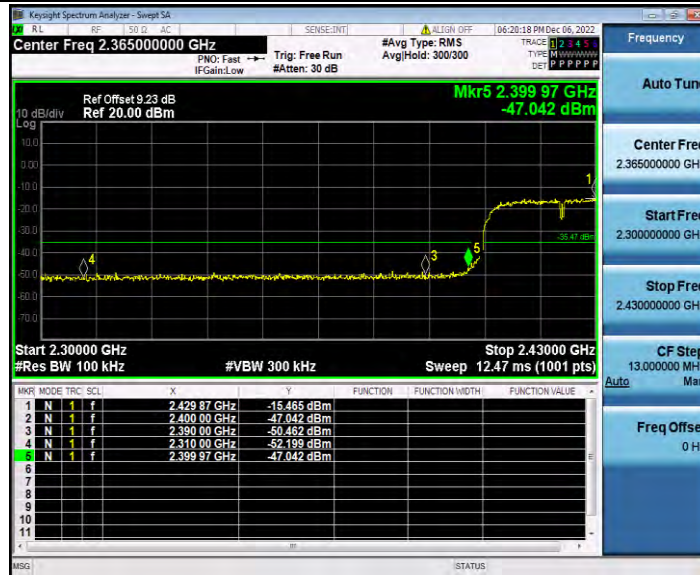
11N20SISO_Ant1_Low_2412



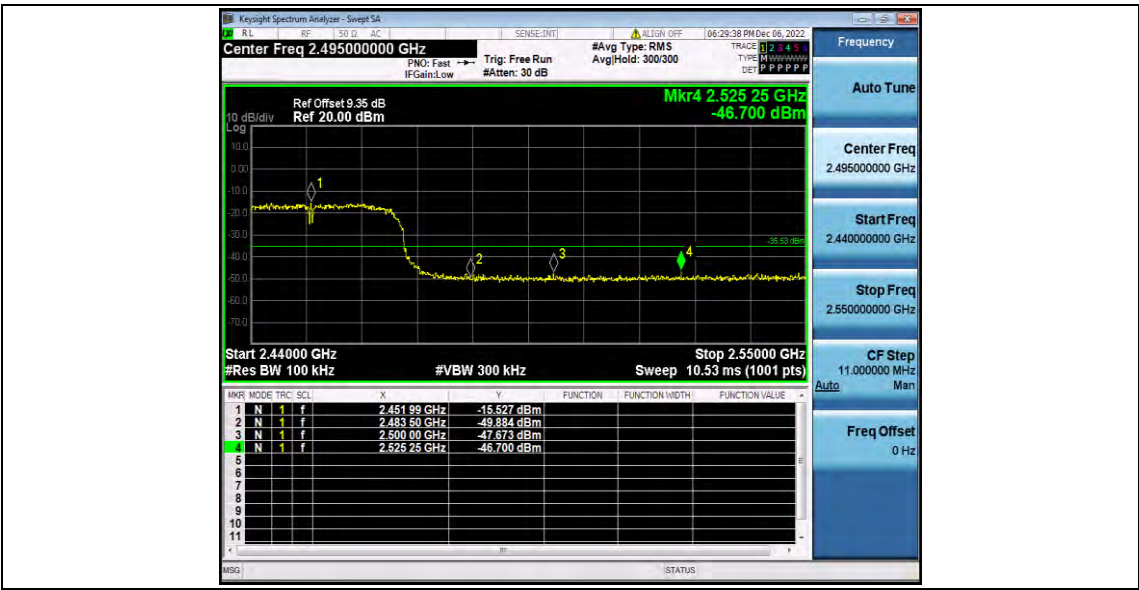
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



Appendix B.6: Conducted Spurious Emission

Test Result

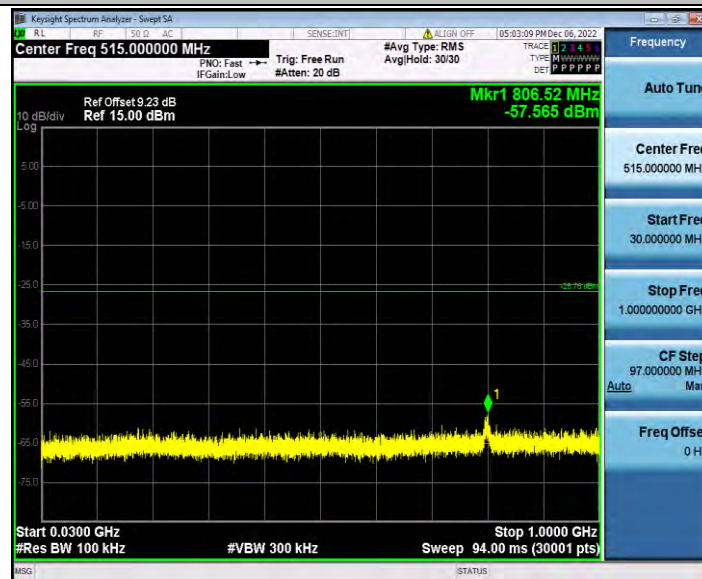
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-6.76	-6.76	---	PASS
			30~1000	-6.76	-57.57	≤-26.76	PASS
			1000~26500	-6.76	-44.28	≤-26.76	PASS
		2437	Reference	-6.00	-6.00	---	PASS
			30~1000	-6.00	-58.67	≤-26	PASS
			1000~26500	-6.00	-45.05	≤-26	PASS
		2462	Reference	-7.93	-7.93	---	PASS
			30~1000	-7.93	-59.09	≤-27.93	PASS
			1000~26500	-7.93	-46.21	≤-27.93	PASS
11G	Ant1	2412	Reference	-13.14	-13.14	---	PASS
			30~1000	-13.14	-59.7	≤-33.14	PASS
			1000~26500	-13.14	-44.37	≤-33.14	PASS
		2437	Reference	-12.67	-12.67	---	PASS
			30~1000	-12.67	-60.14	≤-32.67	PASS
			1000~26500	-12.67	-45.2	≤-32.67	PASS
		2462	Reference	-11.70	-11.70	---	PASS
			30~1000	-11.70	-60.11	≤-31.7	PASS
			1000~26500	-11.70	-46.21	≤-31.7	PASS
11N20SISO	Ant1	2412	Reference	-12.98	-12.98	---	PASS
			30~1000	-12.98	-58.71	≤-32.98	PASS
			1000~26500	-12.98	-44.2	≤-32.98	PASS
		2437	Reference	-13.40	-13.40	---	PASS
			30~1000	-13.40	-60.73	≤-33.4	PASS
			1000~26500	-13.40	-45.45	≤-33.4	PASS
		2462	Reference	-10.70	-10.70	---	PASS
			30~1000	-10.70	-59.61	≤-30.7	PASS
			1000~26500	-10.70	-46.55	≤-30.7	PASS
11N40SISO	Ant1	2422	Reference	-15.19	-15.19	---	PASS
			30~1000	-15.19	-59.98	≤-35.19	PASS
			1000~26500	-15.19	-44.67	≤-35.19	PASS
		2437	Reference	-15.63	-15.63	---	PASS
			30~1000	-15.63	-59.63	≤-35.63	PASS
			1000~26500	-15.63	-45.3	≤-35.63	PASS
		2452	Reference	-16.12	-16.12	---	PASS
			30~1000	-16.12	-59.15	≤-36.12	PASS
			1000~26500	-16.12	-45.56	≤-36.12	PASS

Test Graphs

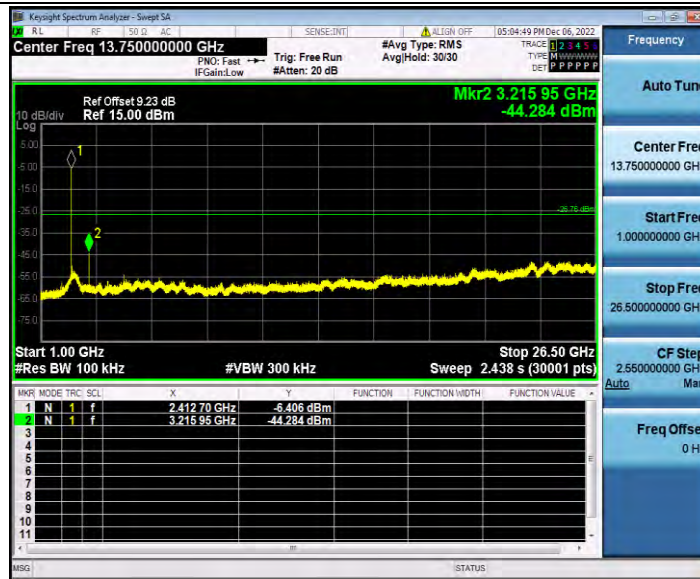
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



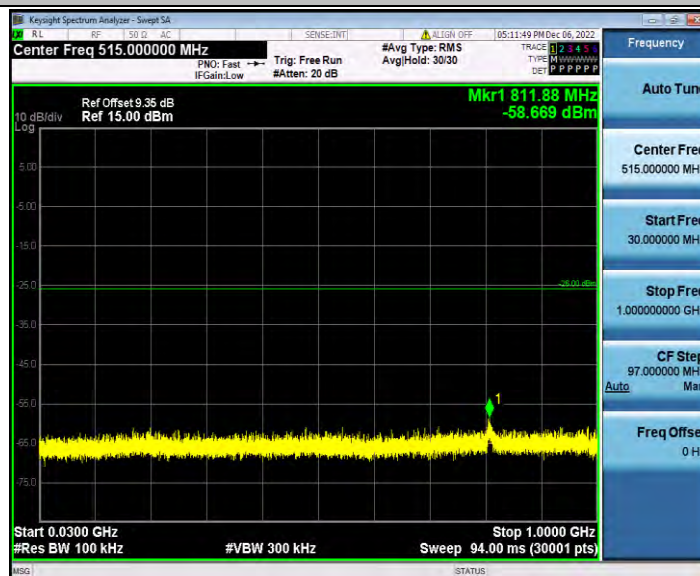
11B_Ant1_2412_1000~26500



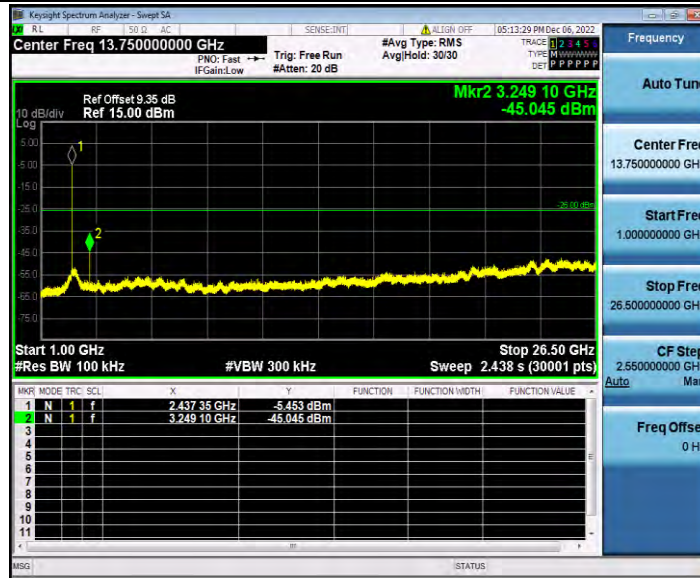
11B_Ant1_2437_0~Reference



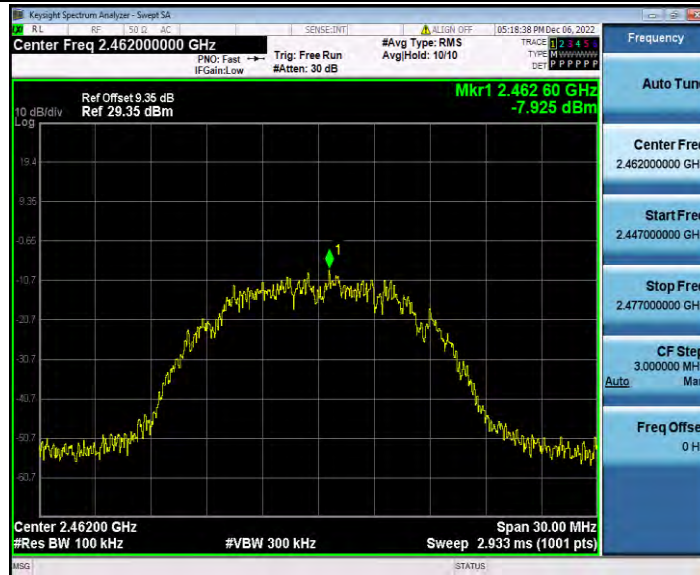
11B_Ant1_2437_30~1000



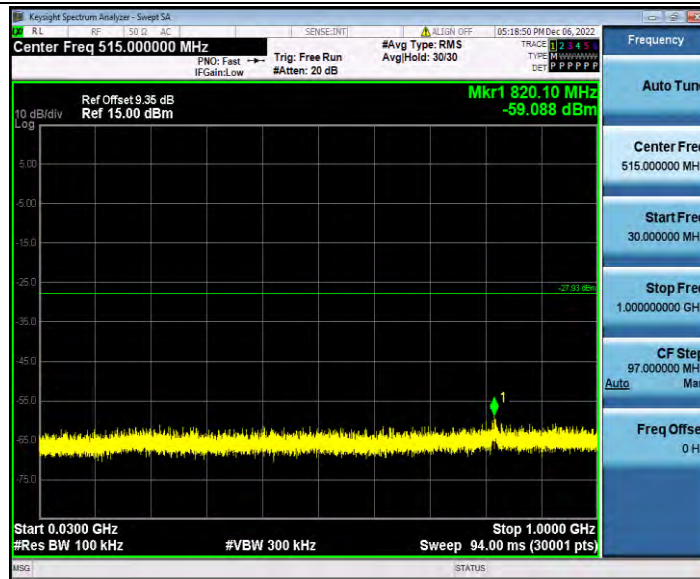
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



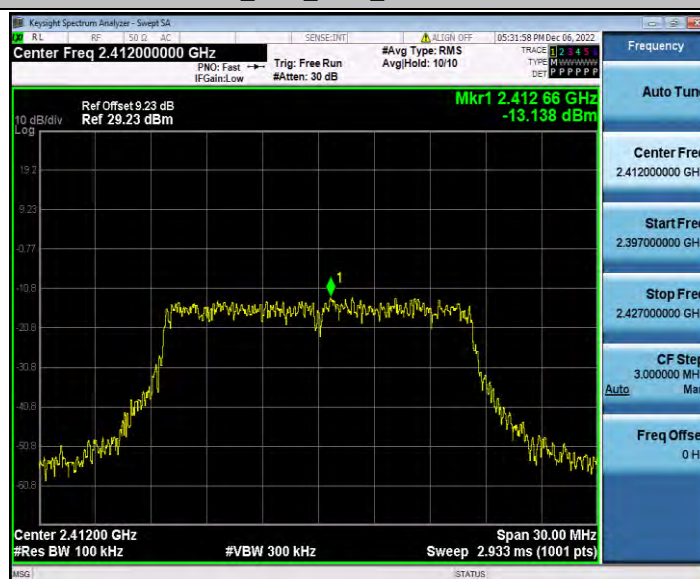
11B_Ant1_2462_30~1000



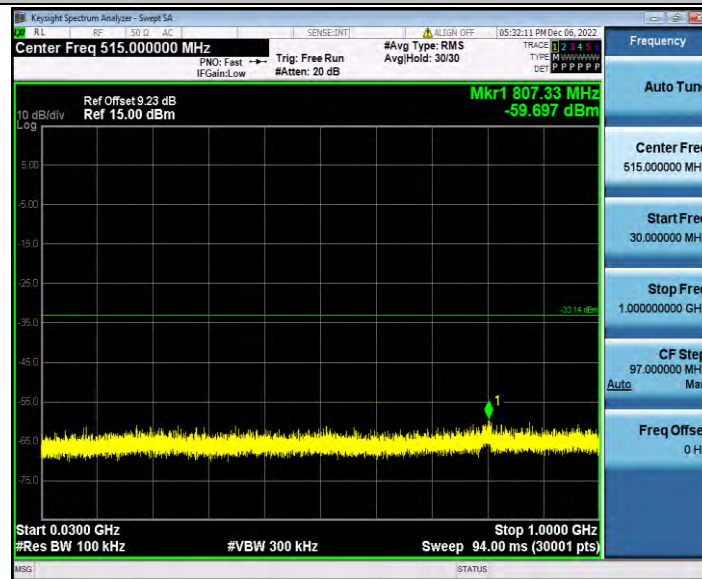
11B_Ant1_2462_1000~26500



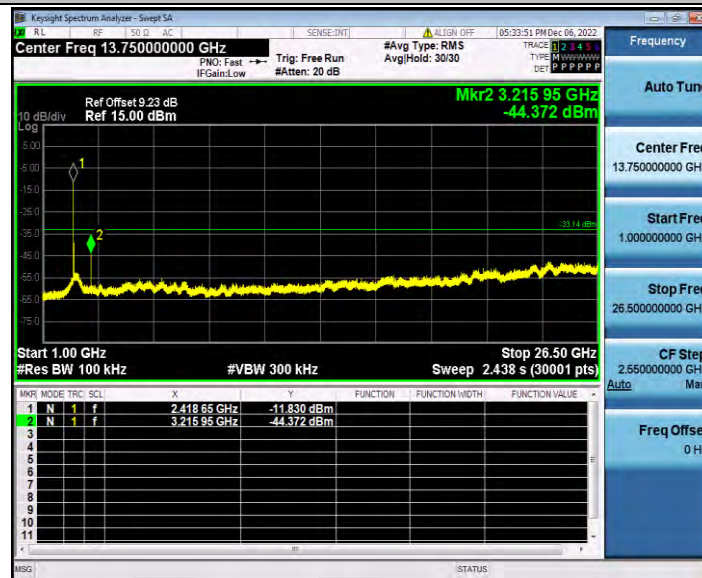
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



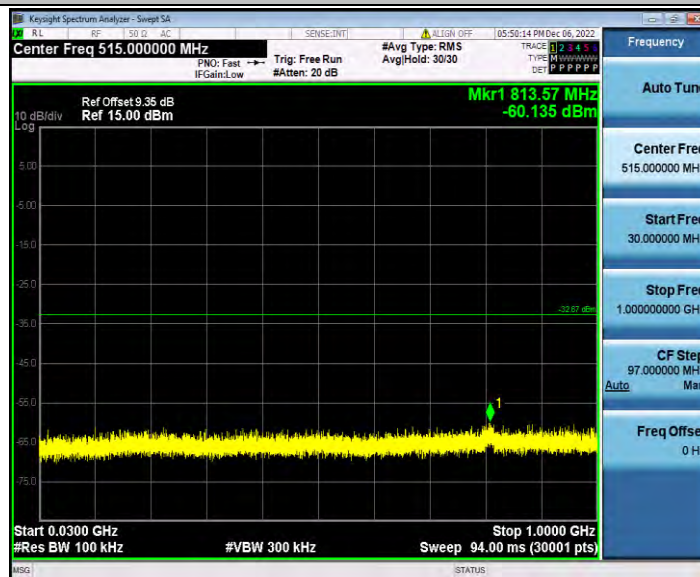
11G_Ant1_2412_1000~26500



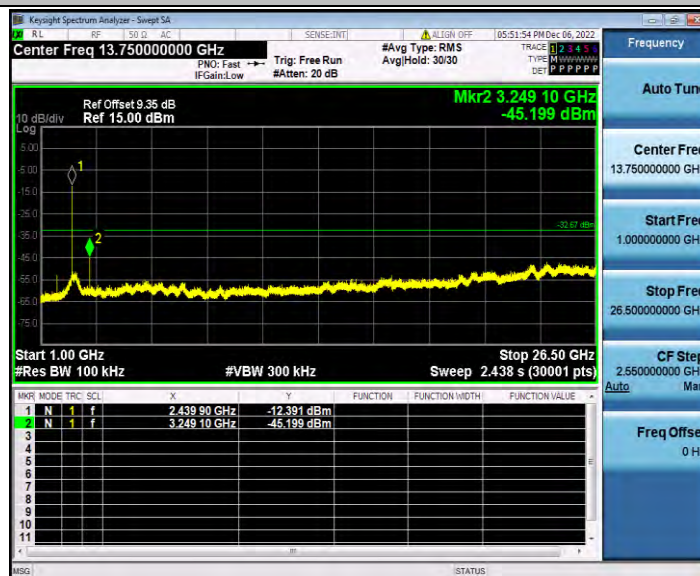
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



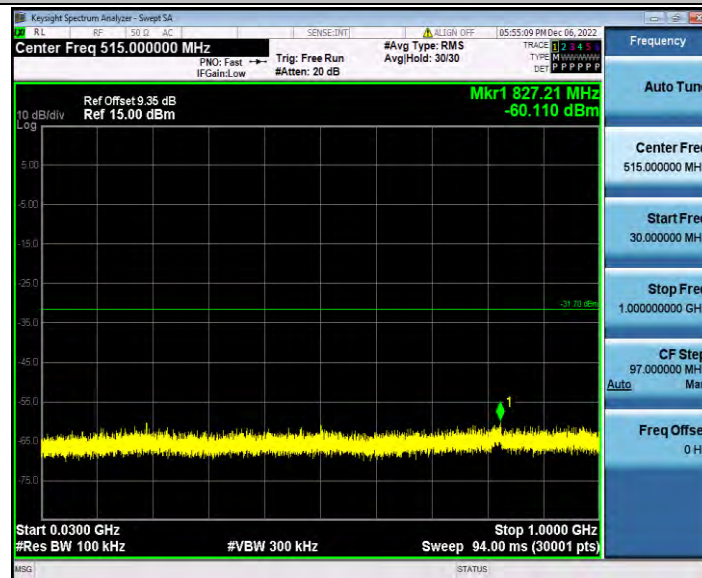
11G_Ant1_2437_1000~26500



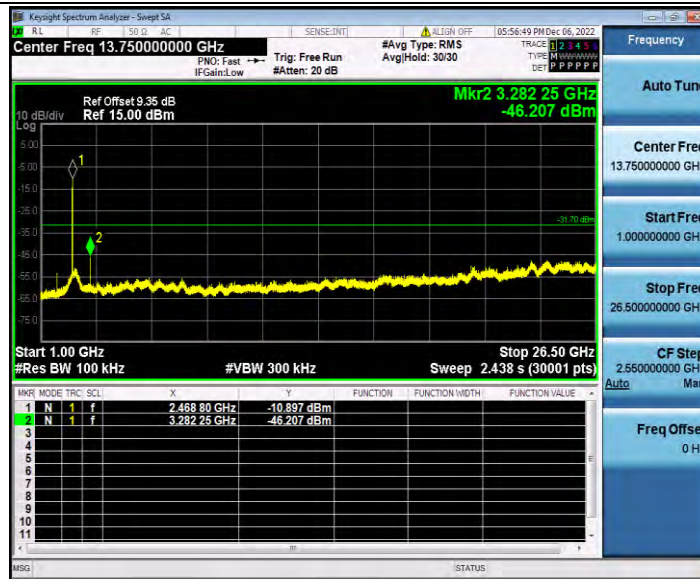
11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



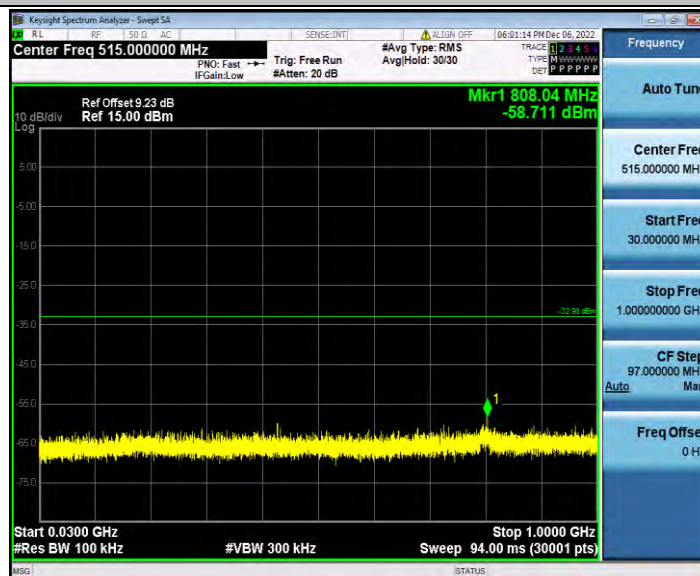
11G_Ant1_2462_1000~26500



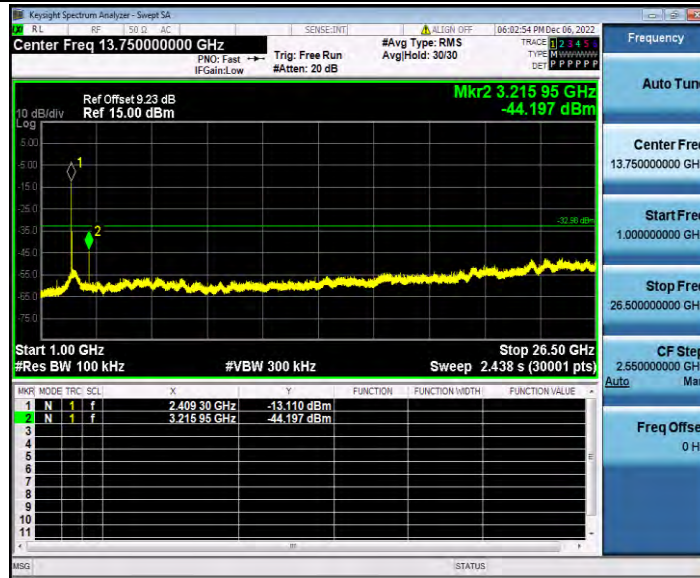
11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



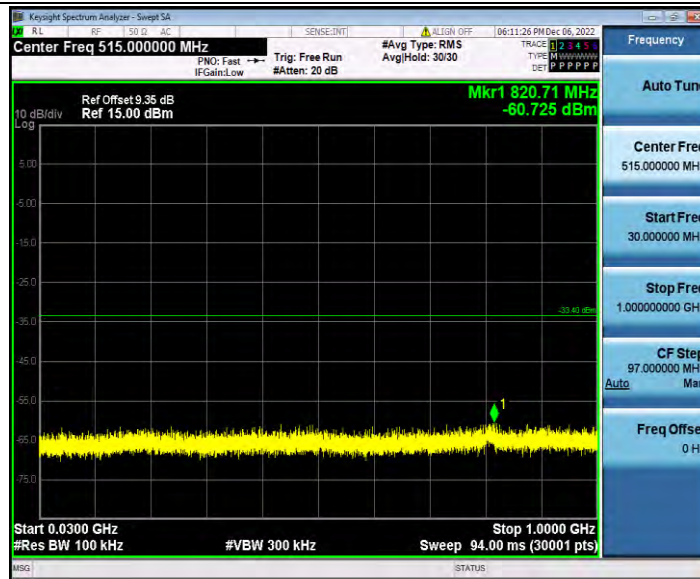
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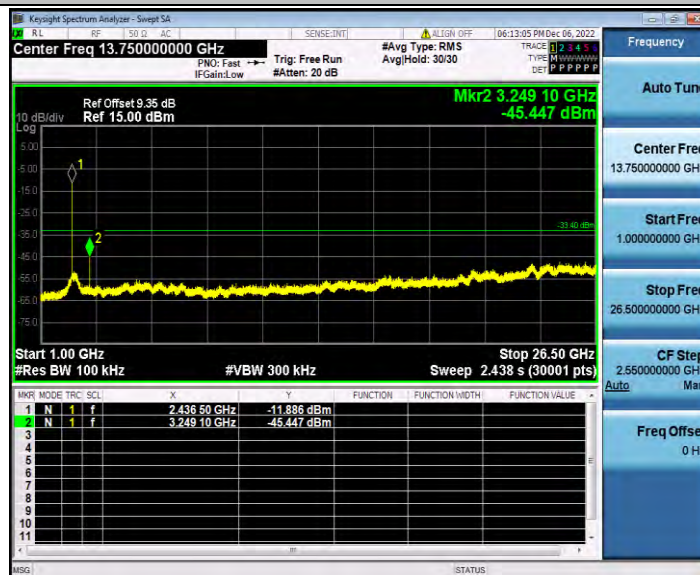
11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



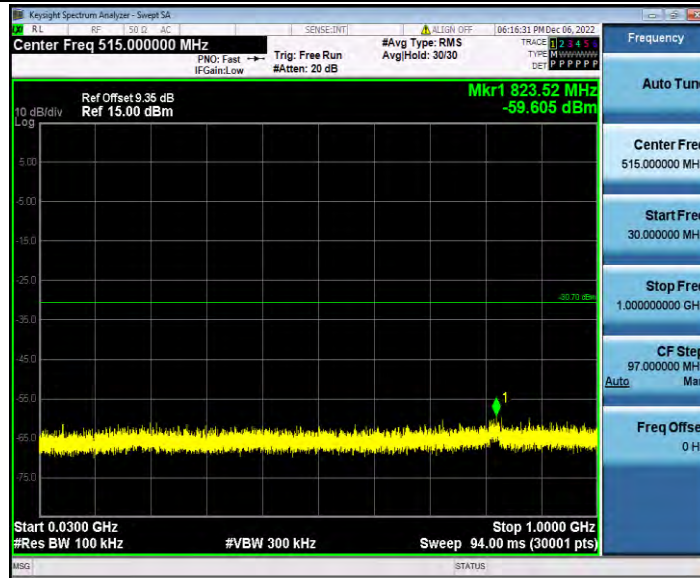
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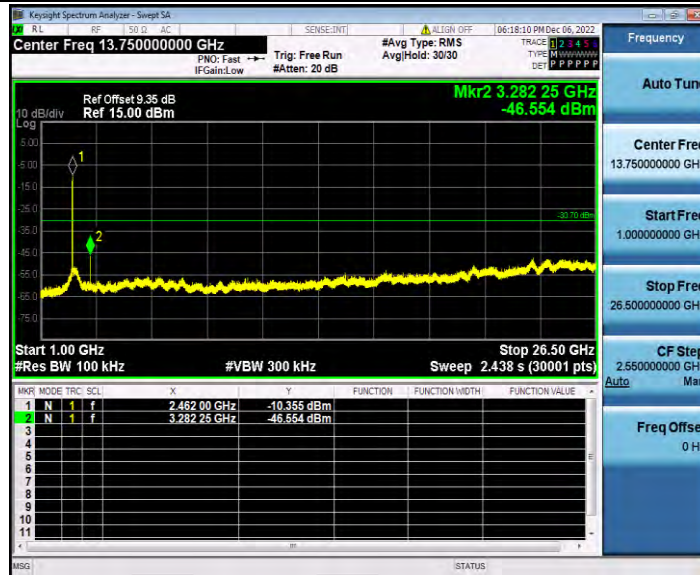
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11N20SISO_Ant1_2462_30~1000



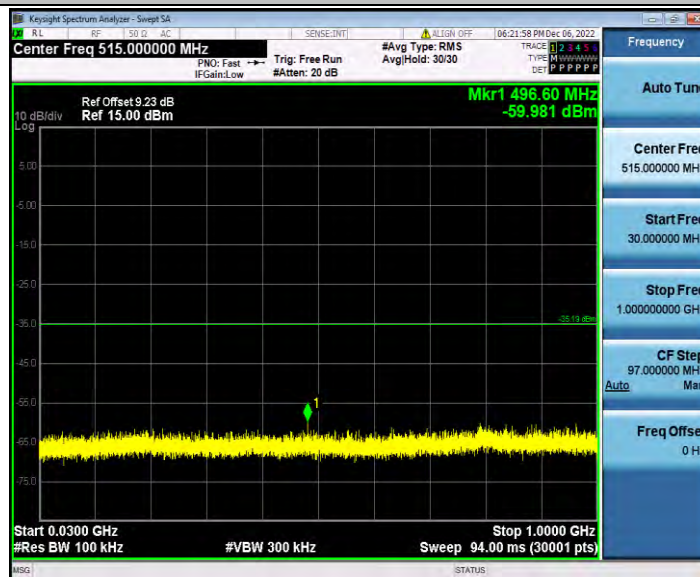
11N20SISO_Ant1_2462_1000~26500



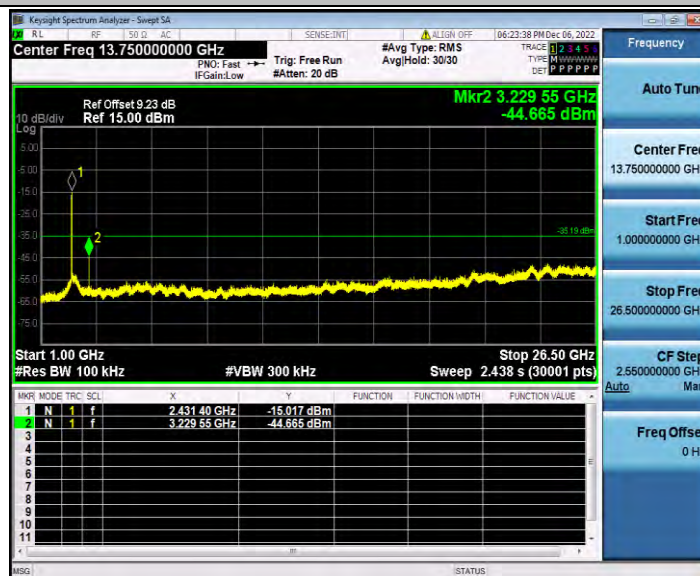
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11N40SISO_Ant1_2422_30~1000



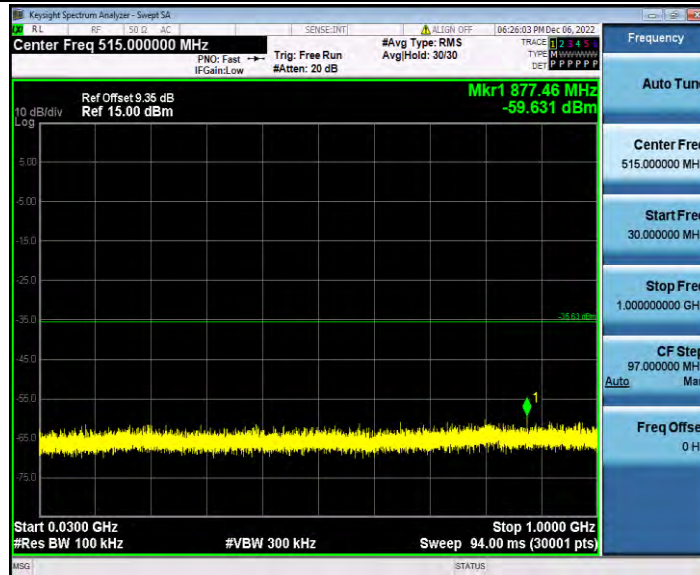
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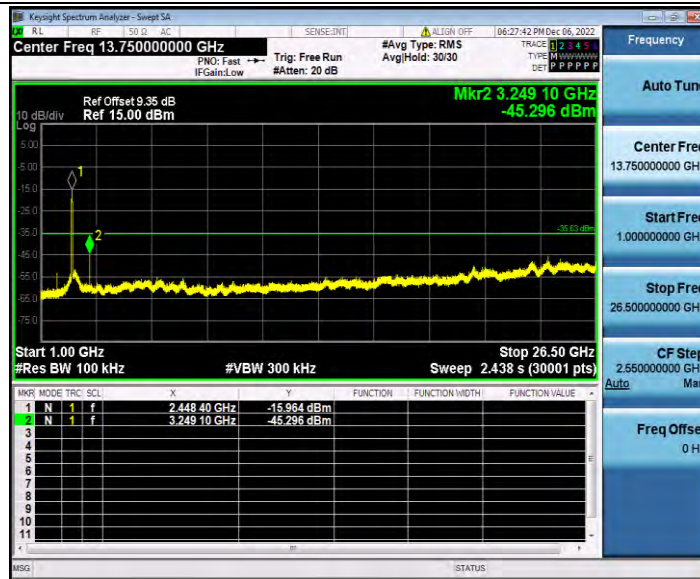
11N40SISO_Ant1_2437_0~Reference



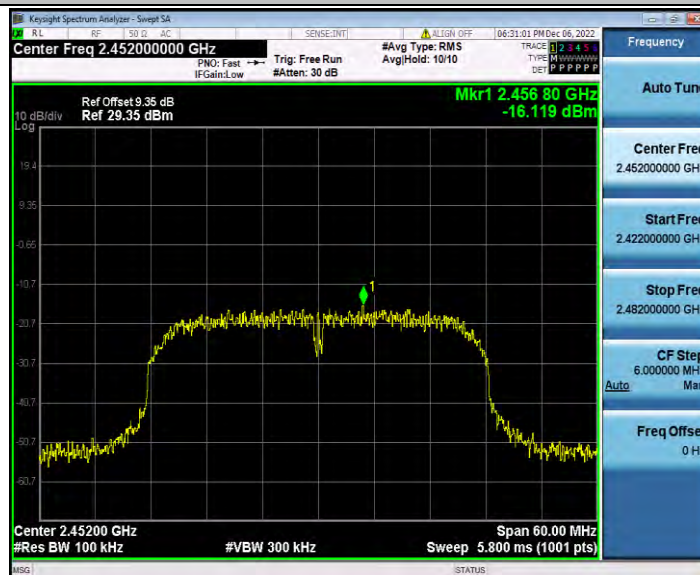
11N40SISO_Ant1_2437_30~1000



11N40SISO_Ant1_2437_1000~26500



11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000

