

Case No. : <u>GTS20221216007-1-2</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.1.13</u>	Test Engineer: <u>Jenny zeng</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	9.080	2407.440	2416.520	0.5	PASS
		2437	9.520	2432.440	2441.960	0.5	PASS
		2462	9.520	2456.960	2466.480	0.5	PASS
11G	Ant1	2412	15.480	2404.400	2419.880	0.5	PASS
		2437	14.400	2429.720	2444.120	0.5	PASS
		2462	15.720	2454.160	2469.880	0.5	PASS
11N20SISO	Ant1	2412	13.880	2405.640	2419.520	0.5	PASS
		2437	14.360	2430.080	2444.440	0.5	PASS
		2462	16.280	2454.080	2470.360	0.5	PASS
11N40SISO	Ant1	2422	35.120	2404.400	2439.520	0.5	PASS
		2437	35.120	2419.400	2454.520	0.5	PASS
		2452	35.120	2434.400	2469.520	0.5	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



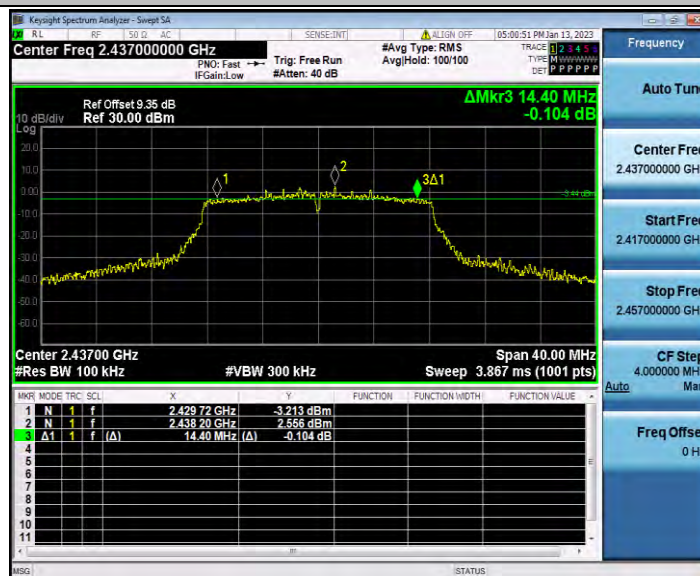
11B_Ant1_2462



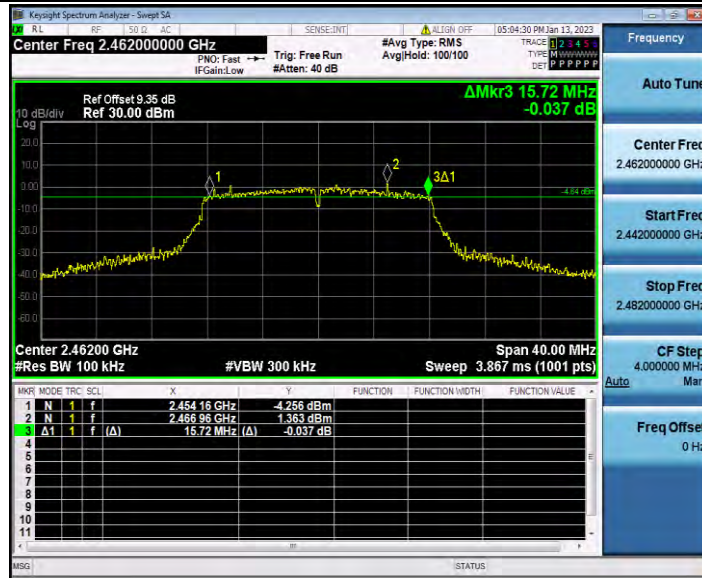
11G_Ant1_2412



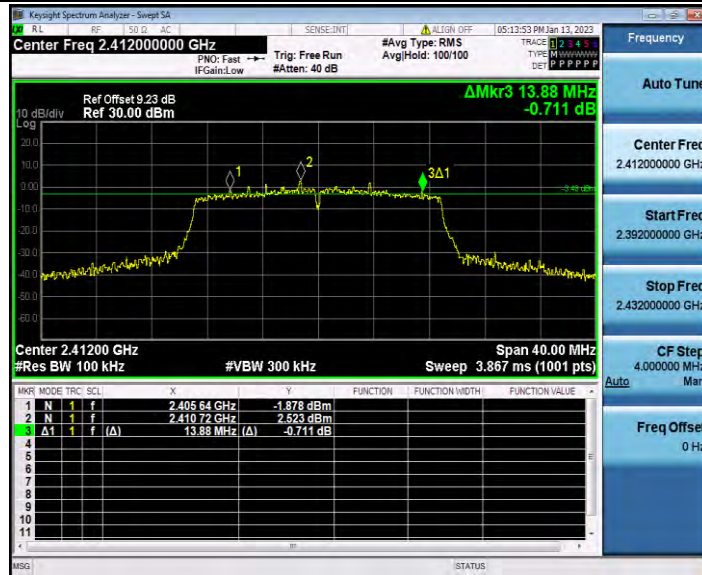
11G_Ant1_2437



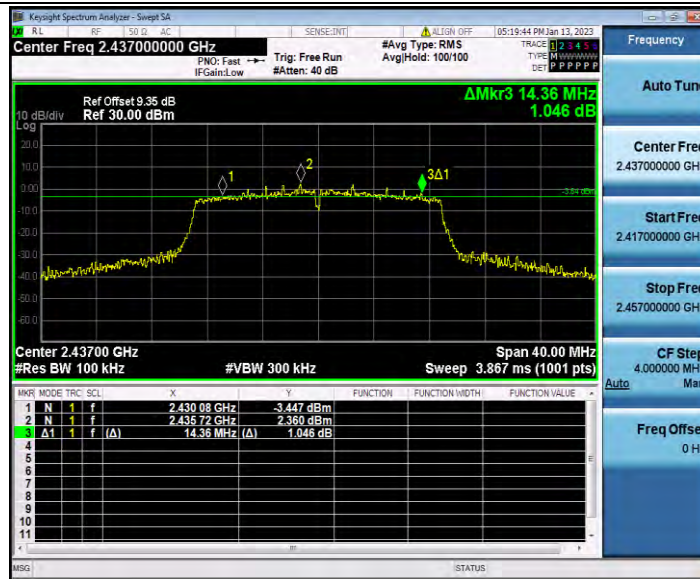
11G_Ant1_2462



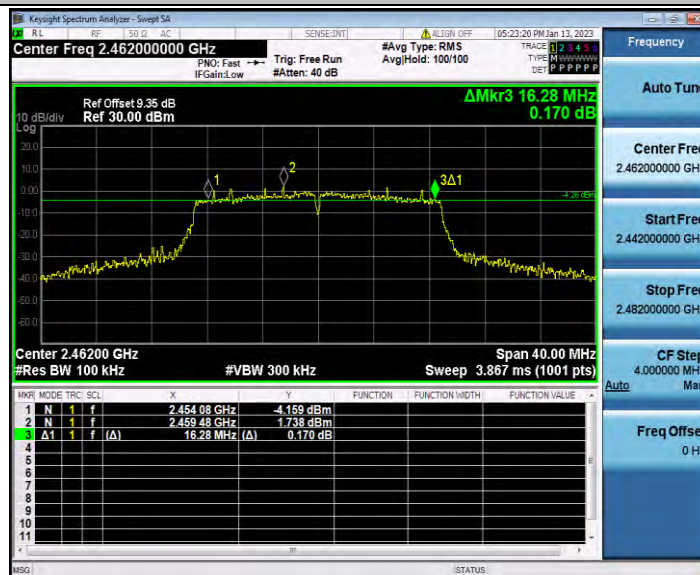
11N20SISO_Ant1_2412



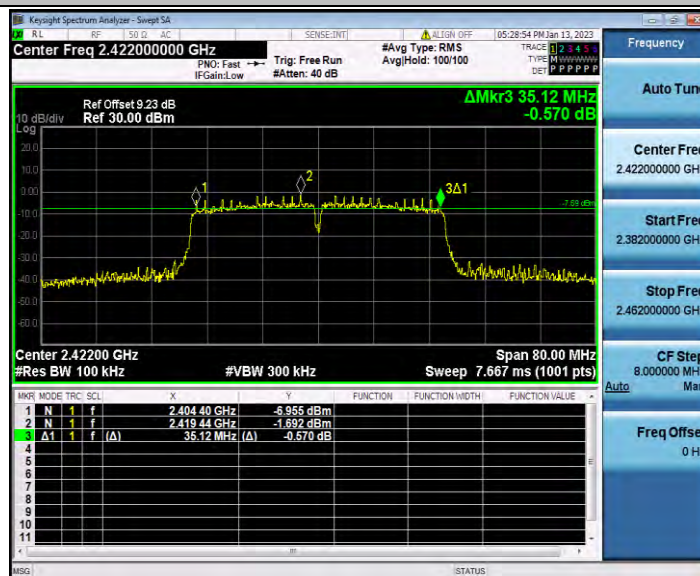
11N20SISO_Ant1_2437



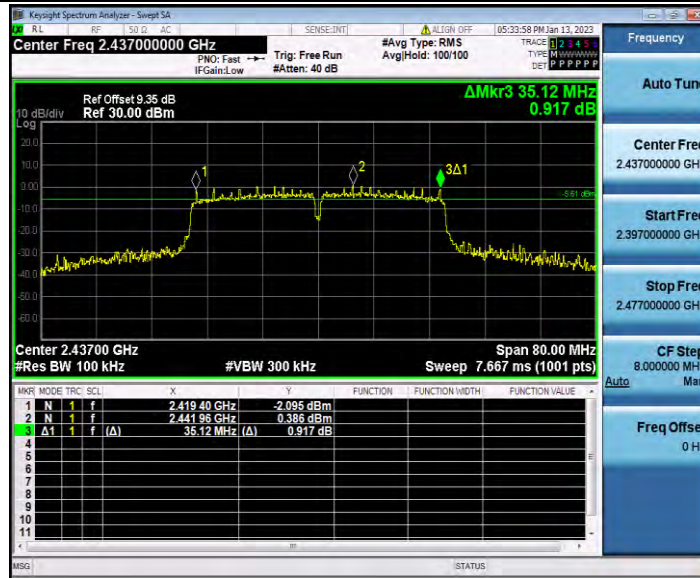
11N20SISO_Ant1_2462



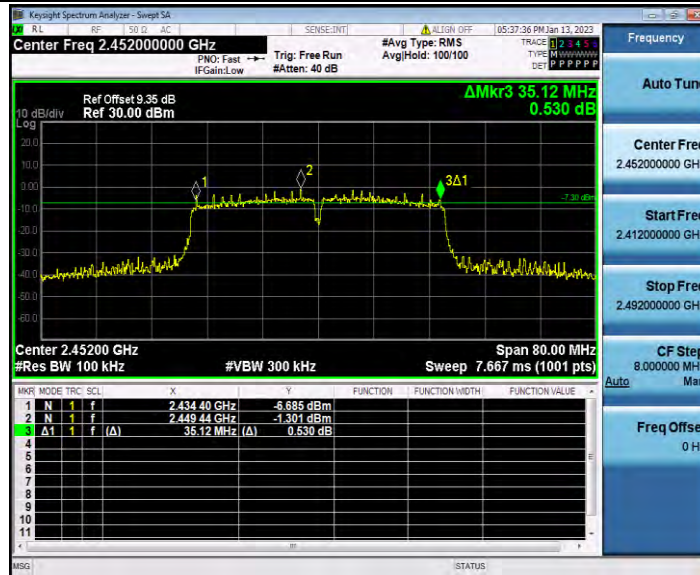
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



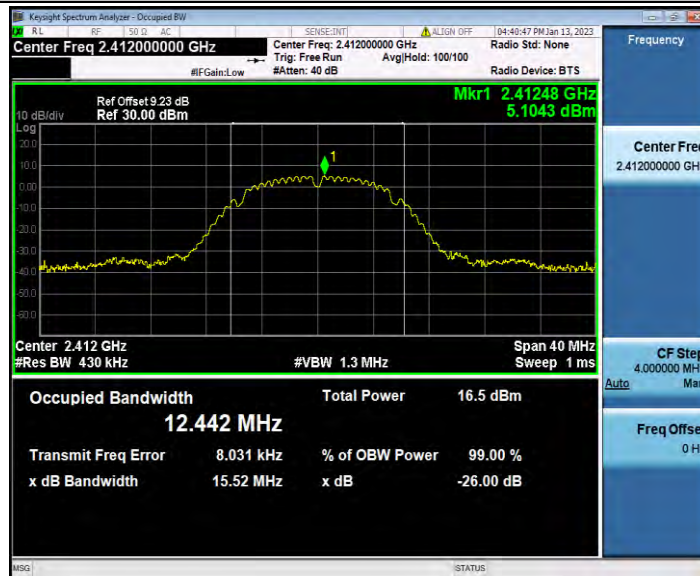
Appendix C.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.442	2405.787	2418.229	---	---
		2437	12.504	2430.756	2443.260	---	---
		2462	12.431	2455.766	2468.197	---	---
11G	Ant1	2412	16.896	2403.582	2420.478	---	---
		2437	16.972	2428.477	2445.449	---	---
		2462	16.867	2453.522	2470.389	---	---
11N20SISO	Ant1	2412	17.760	2403.117	2420.877	---	---
		2437	17.827	2428.061	2445.888	---	---
		2462	17.772	2453.075	2470.847	---	---
11N40SISO	Ant1	2422	36.146	2404.001	2440.147	---	---
		2437	36.246	2418.876	2455.122	---	---
		2452	36.088	2433.976	2470.064	---	---

Test Graphs

11B_Ant1_2412



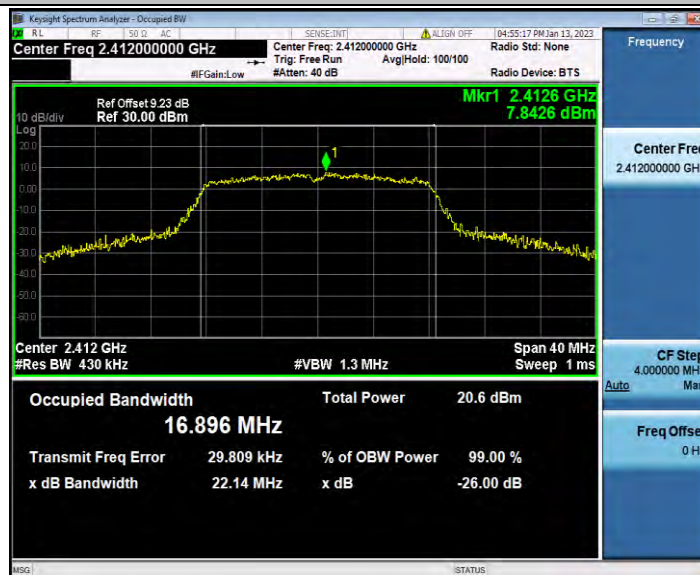
11B_Ant1_2437



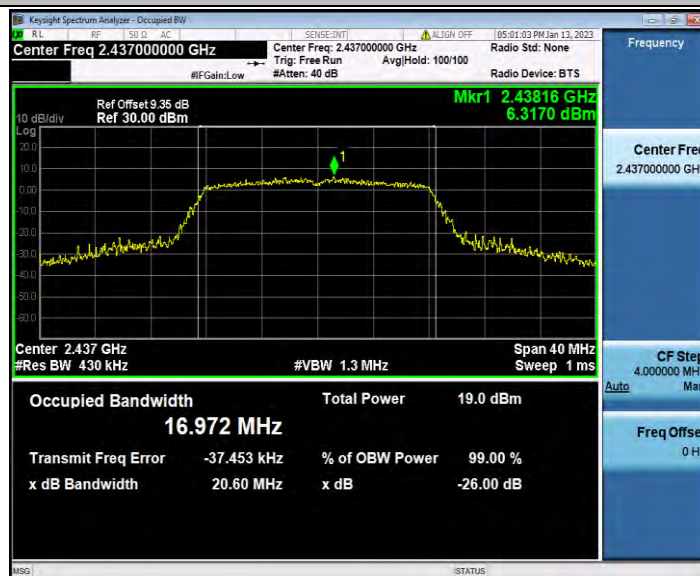
11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



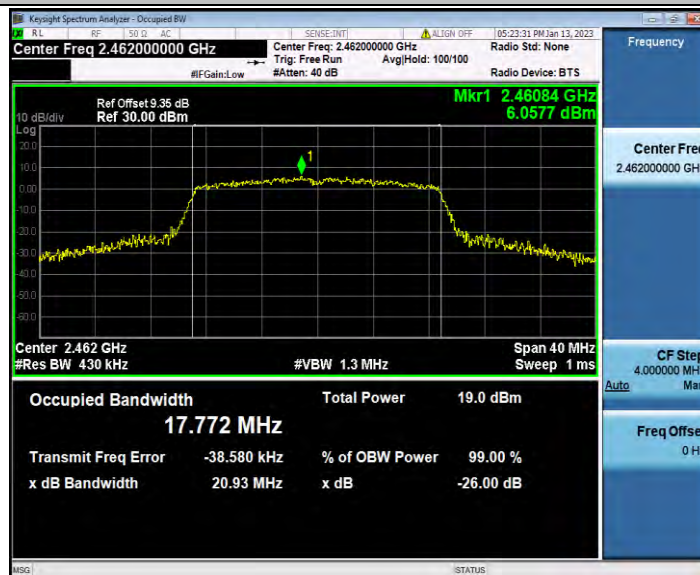
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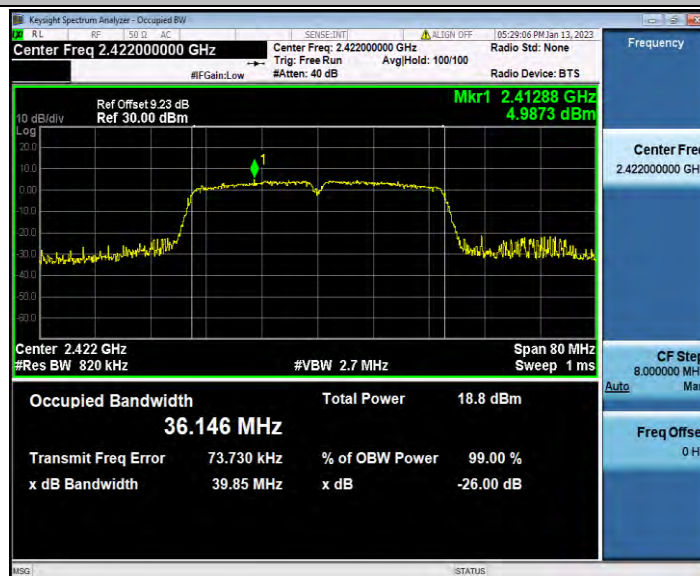
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



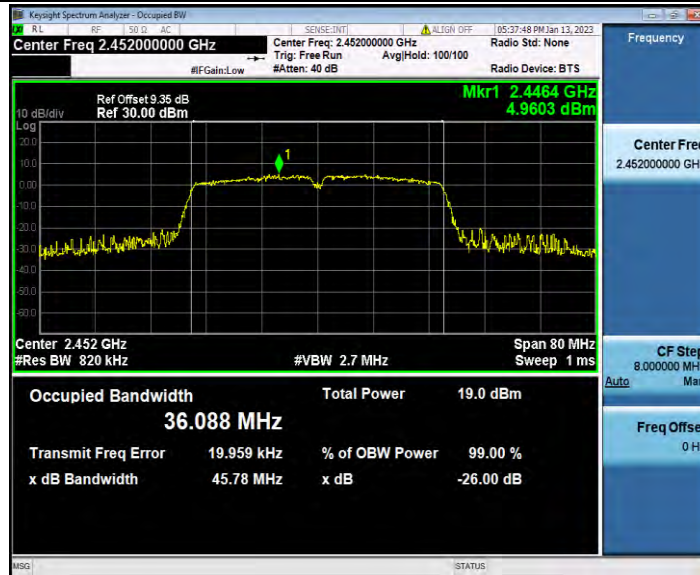
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix C.3: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	16.82	≤30.00	PASS
		2437	16.71	≤30.00	PASS
		2462	16.08	≤30.00	PASS
11G	Ant1	2412	21.73	≤30.00	PASS
		2437	20.10	≤30.00	PASS
		2462	20.19	≤30.00	PASS
11N20SISO	Ant1	2412	20.20	≤30.00	PASS
		2437	20.11	≤30.00	PASS
		2462	20.22	≤30.00	PASS
11N40SISO	Ant1	2422	19.14	≤30.00	PASS
		2437	21.64	≤30.00	PASS
		2452	19.28	≤30.00	PASS

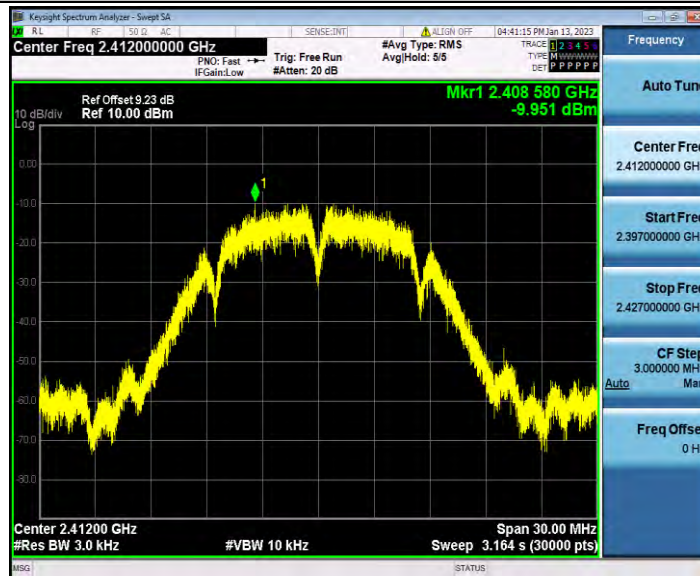
Appendix C.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-9.95	≤8.00	PASS
		2437	-8.04	≤8.00	PASS
		2462	-10.42	≤8.00	PASS
11G	Ant1	2412	-9.45	≤8.00	PASS
		2437	-11.75	≤8.00	PASS
		2462	-11.22	≤8.00	PASS
11N20SISO	Ant1	2412	-11.48	≤8.00	PASS
		2437	-11.89	≤8.00	PASS
		2462	-10.31	≤8.00	PASS
11N40SISO	Ant1	2422	-15.89	≤8.00	PASS
		2437	-13.89	≤8.00	PASS
		2452	-15.63	≤8.00	PASS

Test Graphs

11B_Ant1_2412



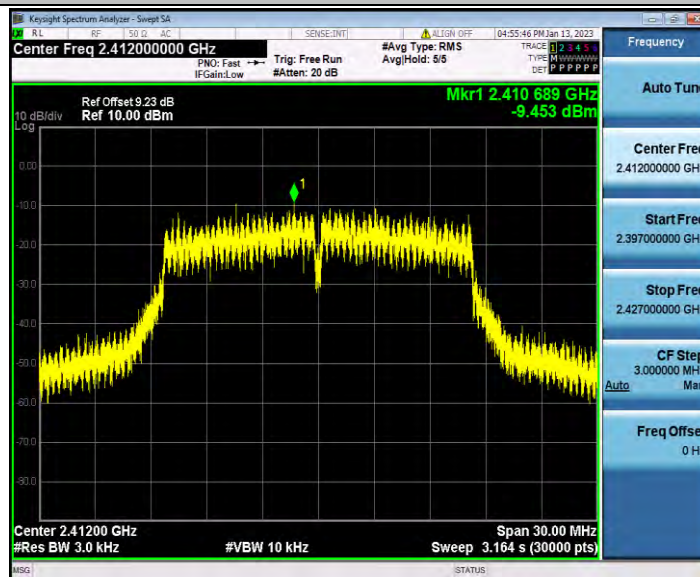
11B_Ant1_2437



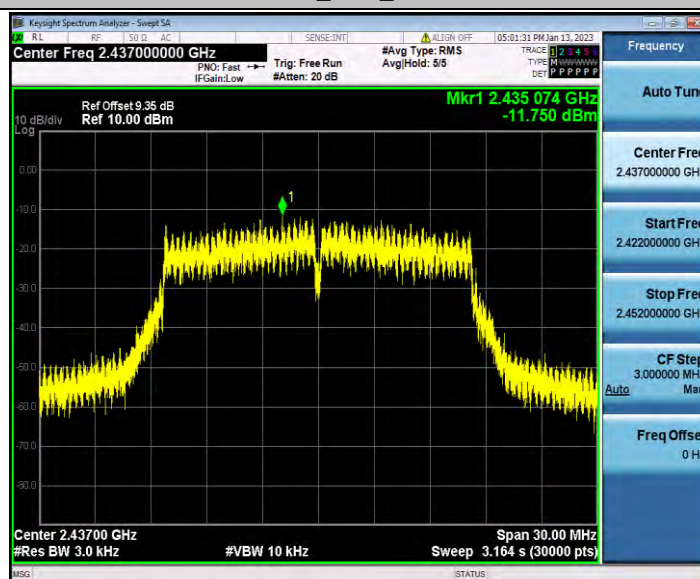
11B_Ant1_2462



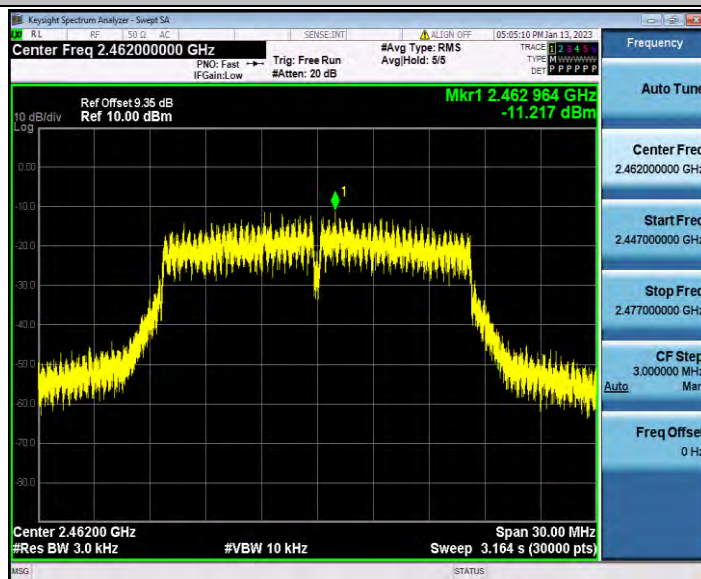
11G_Ant1_2412



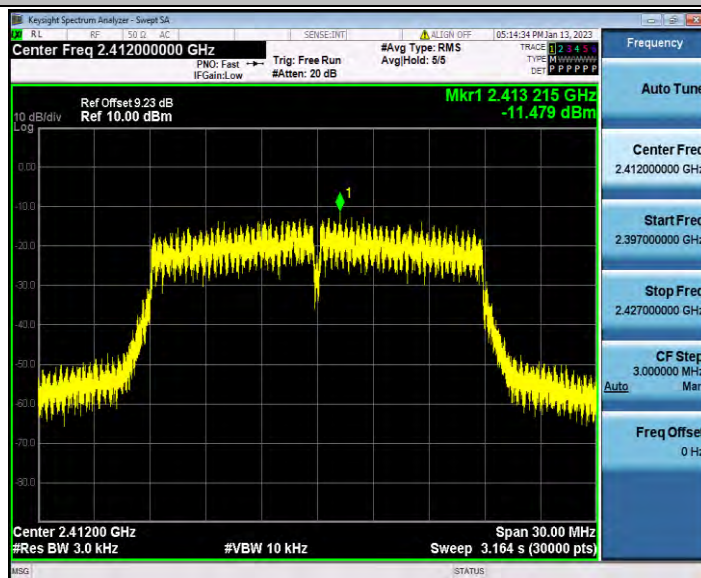
11G_Ant1_2437



11G_Ant1_2462



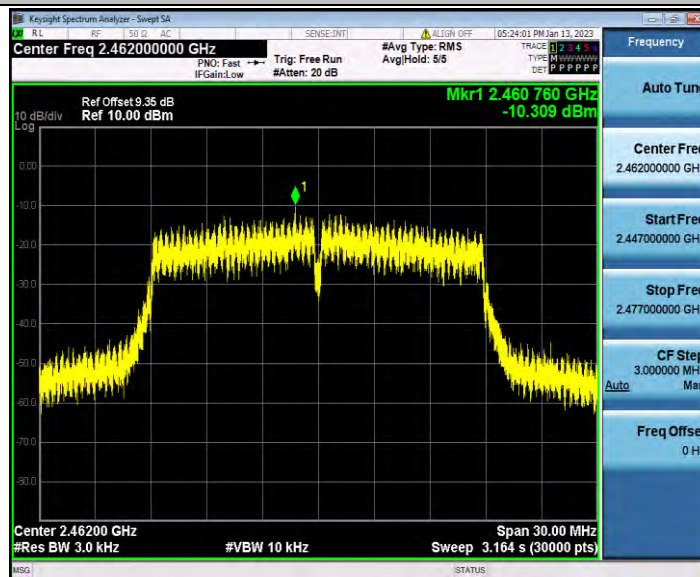
11N20SISO_Ant1_2412



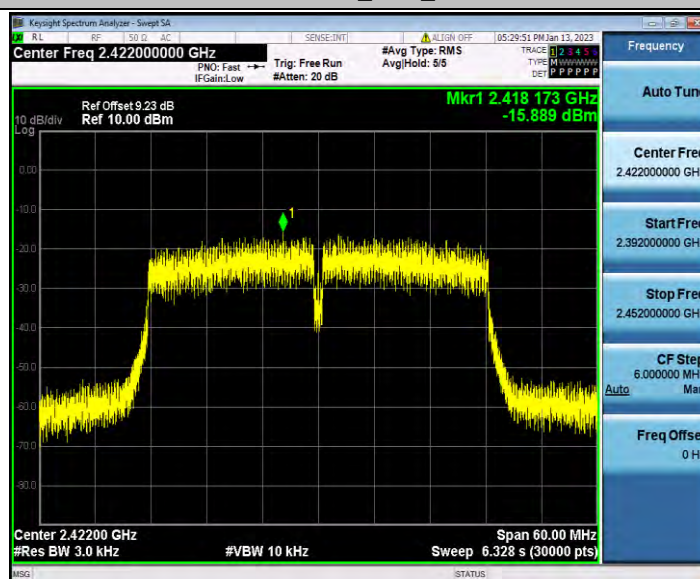
11N20SISO_Ant1_2437



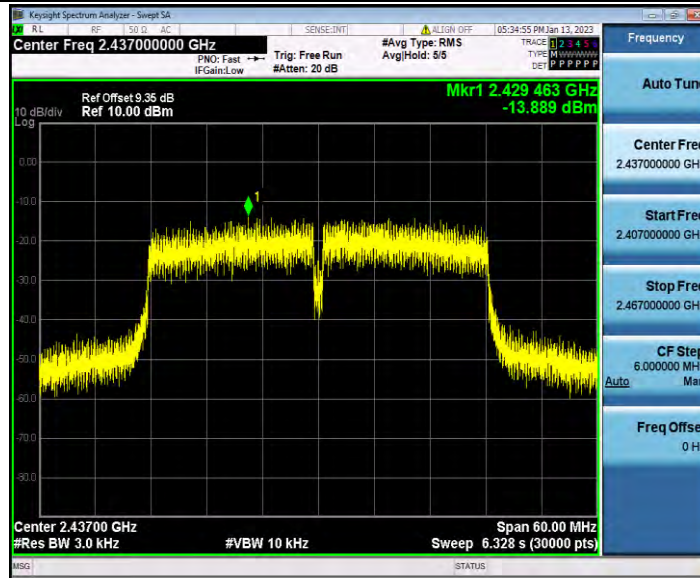
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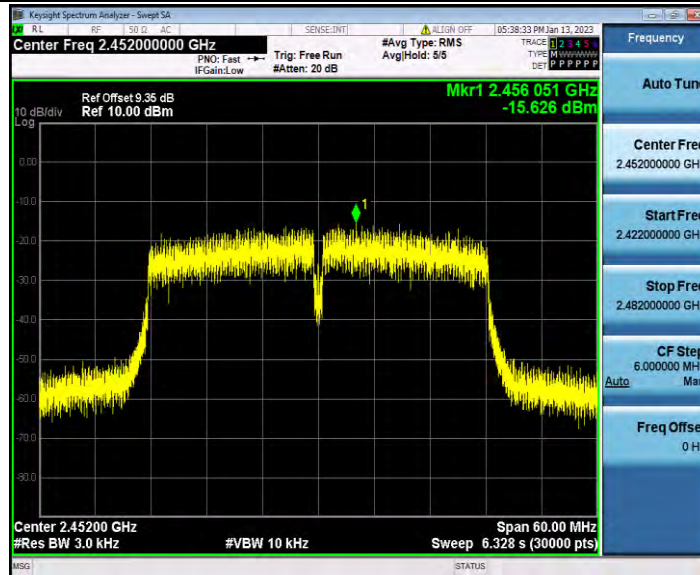
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



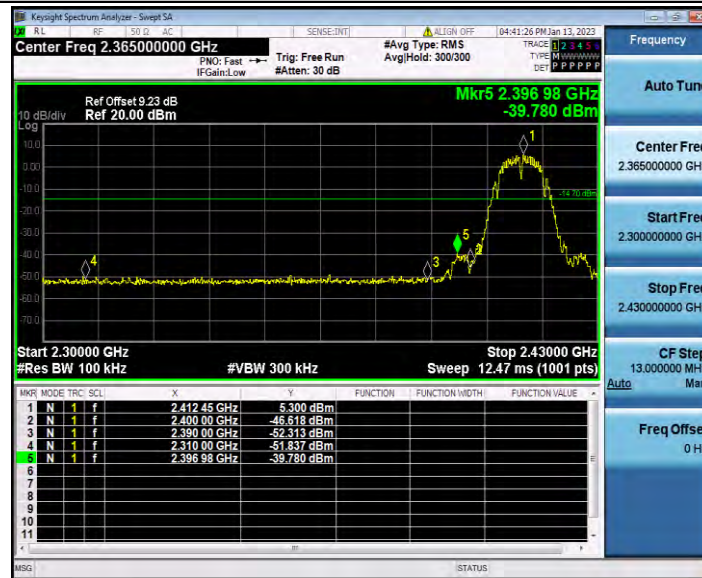
Appendix C.5: Band edge measurements

Test Result

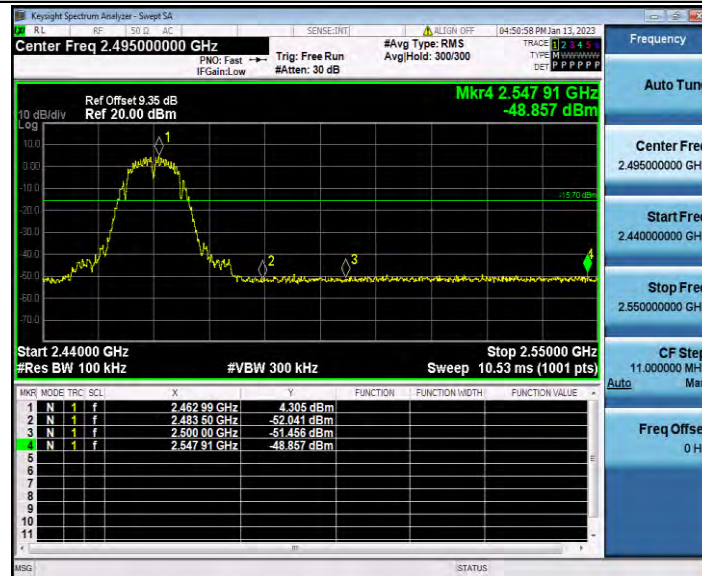
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.30	-39.78	≤-14.7	PASS
		High	2462	4.31	-48.86	≤-15.7	PASS
11G	Ant1	Low	2412	4.82	-25.8	≤-15.18	PASS
		High	2462	3.45	-41.28	≤-16.55	PASS
11N20SISO	Ant1	Low	2412	1.80	-28.87	≤-18.2	PASS
		High	2462	3.14	-41.17	≤-16.86	PASS
11N40SISO	Ant1	Low	2422	-1.34	-33.93	≤-21.34	PASS
		High	2452	-0.98	-34.53	≤-20.98	PASS

Test Graphs

11B_Ant1_Low_2412



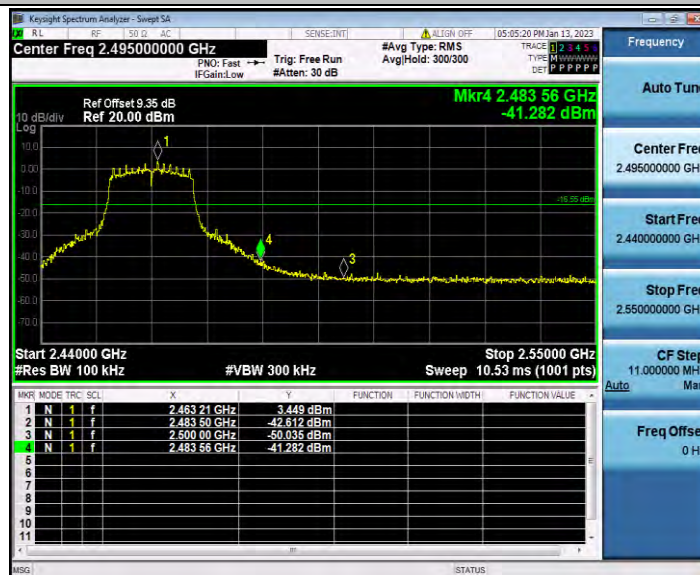
11B_Ant1_High_2462



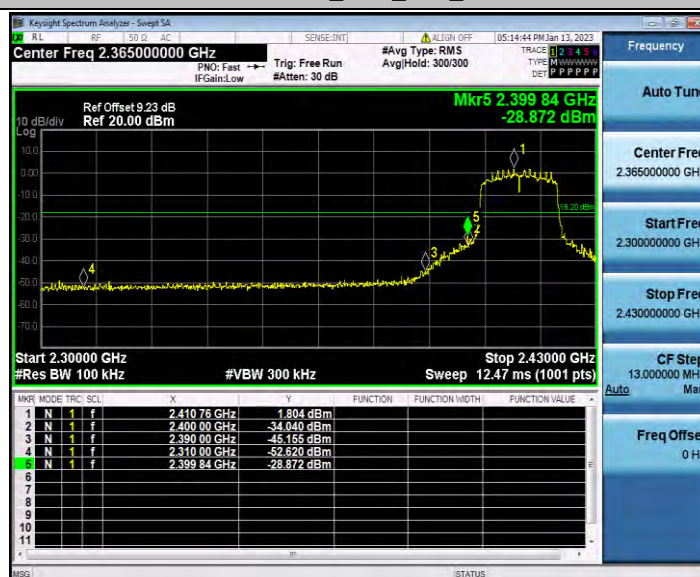
11G_Ant1_Low_2412



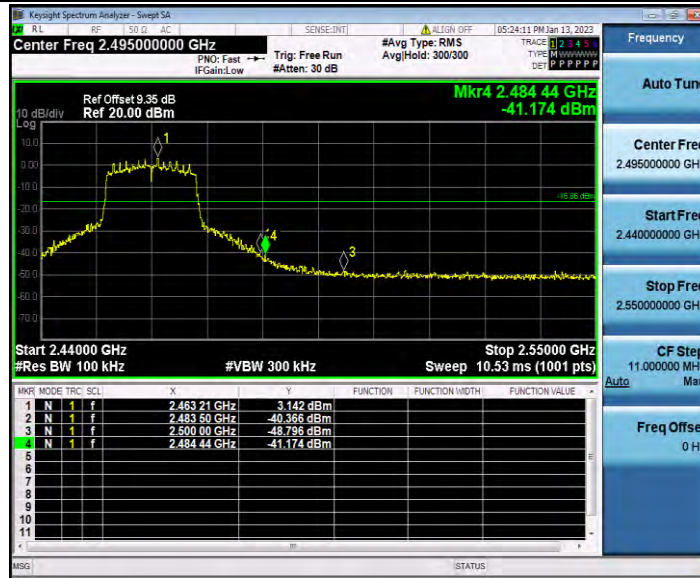
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



Appendix C.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	3.61	3.61	---	PASS
			30~1000	3.61	-60.39	≤-16.39	PASS
			1000~26500	3.61	-47.64	≤-16.39	PASS
		2437	Reference	2.94	2.94	---	PASS
			30~1000	2.94	-60.28	≤-17.06	PASS
			1000~26500	2.94	-46.96	≤-17.06	PASS
		2462	Reference	3.45	3.45	---	PASS
			30~1000	3.45	-59.76	≤-16.55	PASS
			1000~26500	3.45	-38	≤-16.55	PASS
11G	Ant1	2412	Reference	0.89	0.89	---	PASS
			30~1000	0.89	-59.4	≤-19.11	PASS
			1000~26500	0.89	-41.68	≤-19.11	PASS
		2437	Reference	1.41	1.41	---	PASS
			30~1000	1.41	-60.8	≤-18.59	PASS
			1000~26500	1.41	-43.56	≤-18.59	PASS
		2462	Reference	-0.43	-0.43	---	PASS
			30~1000	-0.43	-60.56	≤-20.43	PASS
			1000~26500	-0.43	-47.78	≤-20.43	PASS
11N20SISO	Ant1	2412	Reference	0.97	0.97	---	PASS
			30~1000	0.97	-59.92	≤-19.03	PASS
			1000~26500	0.97	-39.18	≤-19.03	PASS
		2437	Reference	-0.57	-0.57	---	PASS
			30~1000	-0.57	-59.54	≤-20.57	PASS
			1000~26500	-0.57	-44.69	≤-20.57	PASS
		2462	Reference	-0.90	-0.90	---	PASS
			30~1000	-0.90	-60.13	≤-20.9	PASS
			1000~26500	-0.90	-45.07	≤-20.9	PASS
11N40SISO	Ant1	2422	Reference	-1.91	-1.91	---	PASS
			30~1000	-1.91	-59.4	≤-21.91	PASS
			1000~26500	-1.91	-37.48	≤-21.91	PASS
		2437	Reference	0.15	0.15	---	PASS
			30~1000	0.15	-60.33	≤-19.85	PASS
			1000~26500	0.15	-47.82	≤-19.85	PASS
		2452	Reference	-1.43	-1.43	---	PASS
			30~1000	-1.43	-59.86	≤-21.43	PASS
			1000~26500	-1.43	-47.6	≤-21.43	PASS

Test Graphs

11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



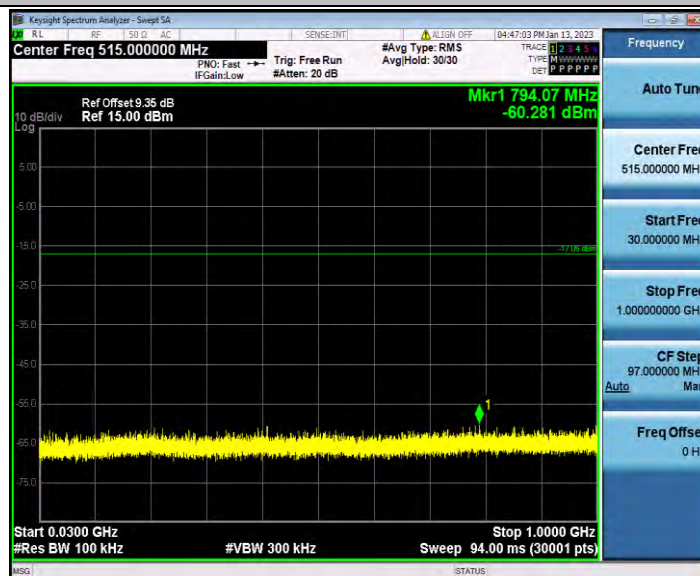
11B_Ant1_2412_1000~26500



11B_Ant1_2437_0~Reference



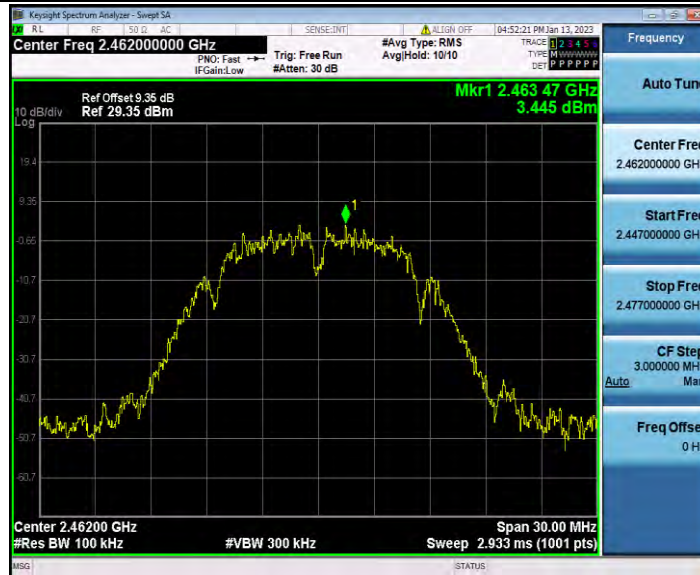
11B_Ant1_2437_30~1000



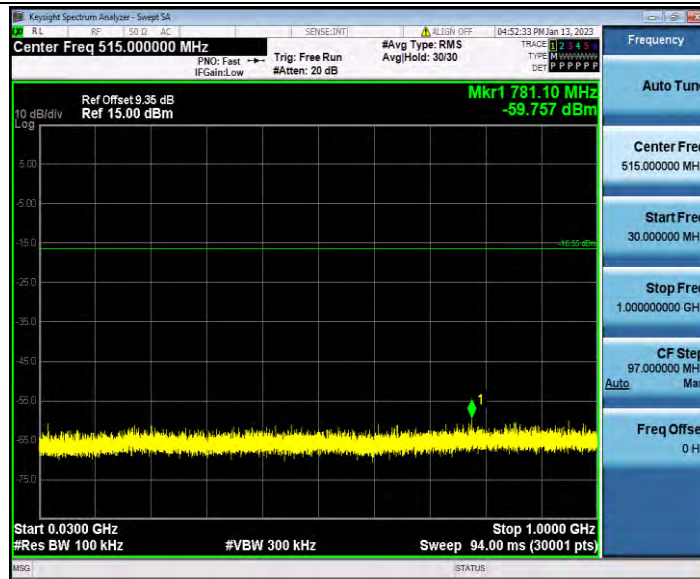
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



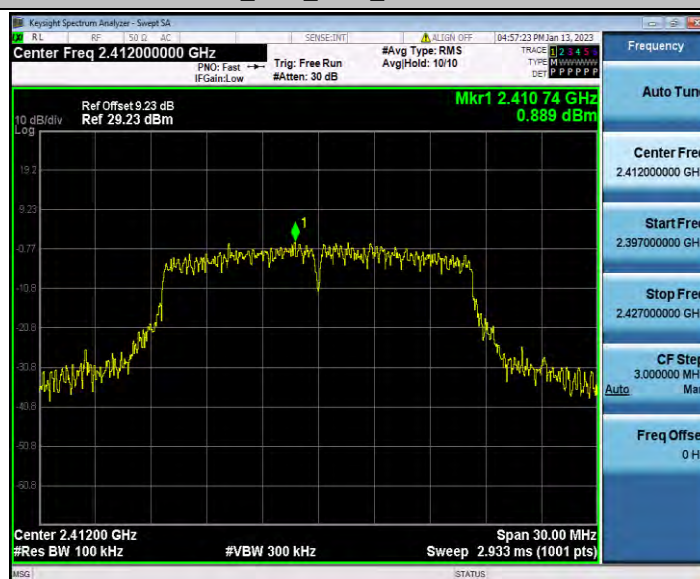
11B_Ant1_2462_30~1000



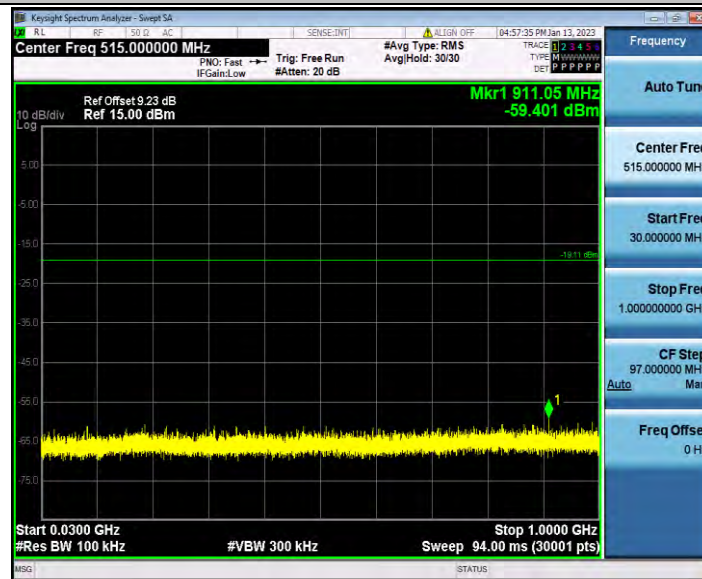
11B_Ant1_2462_1000~26500



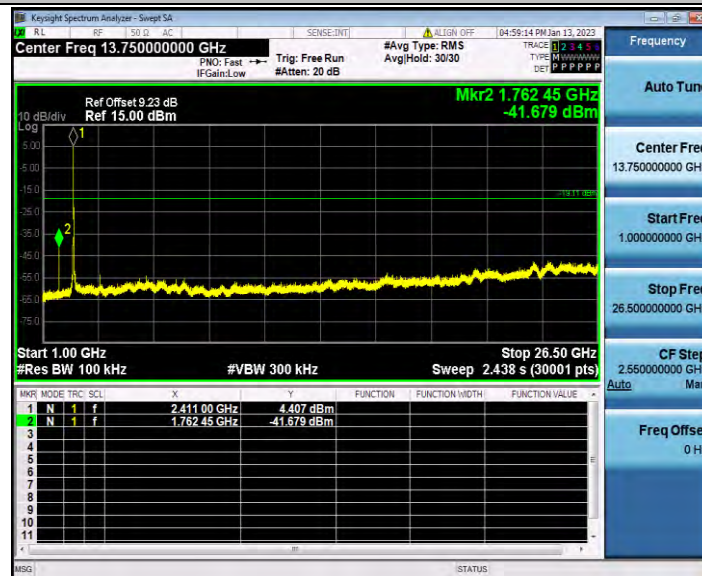
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



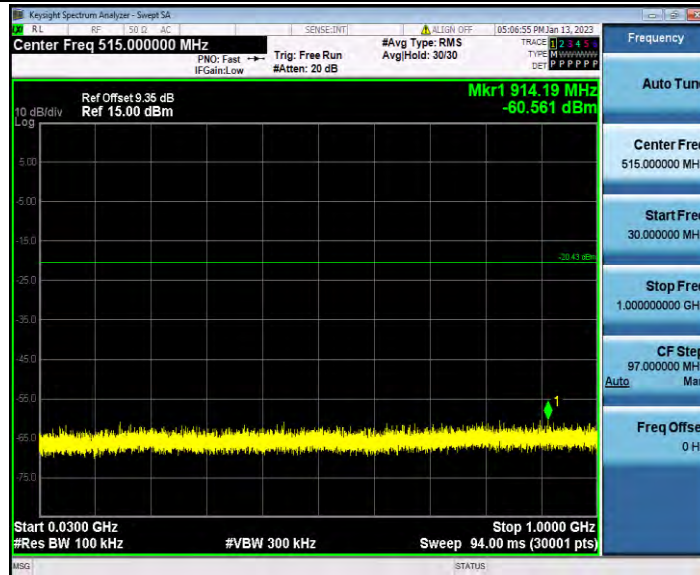
11G_Ant1_2437_1000~26500



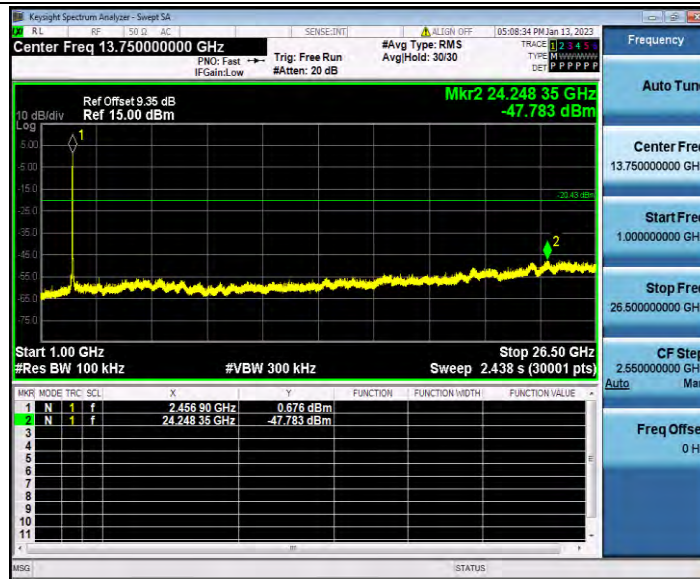
11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



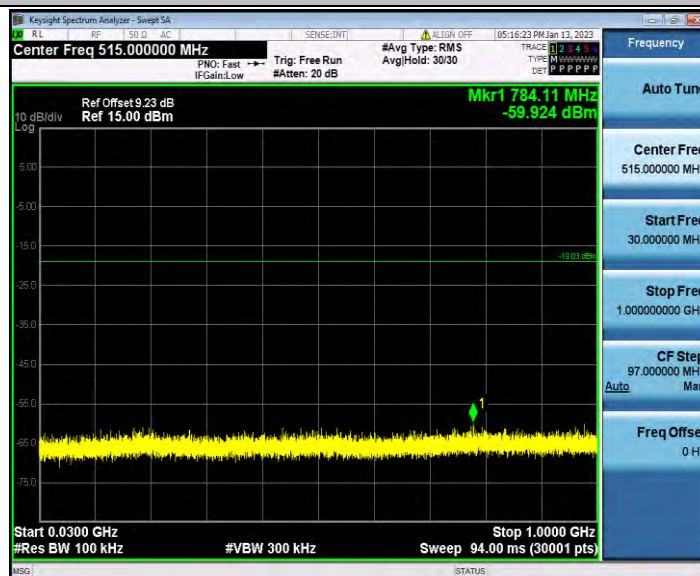
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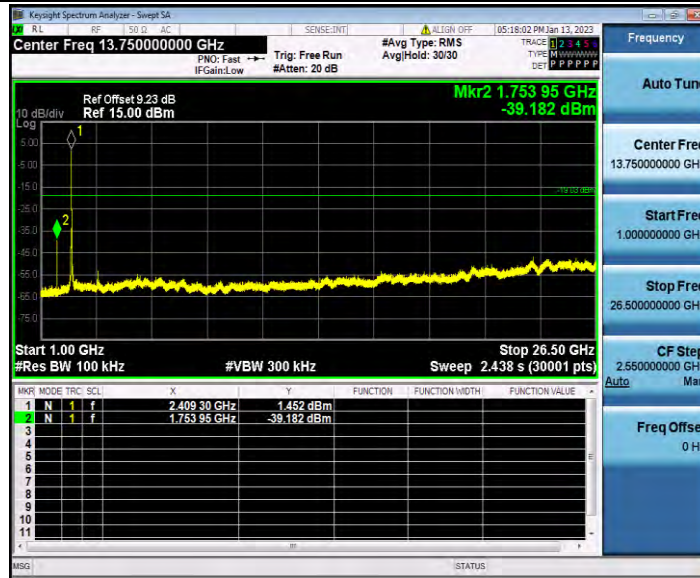
11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



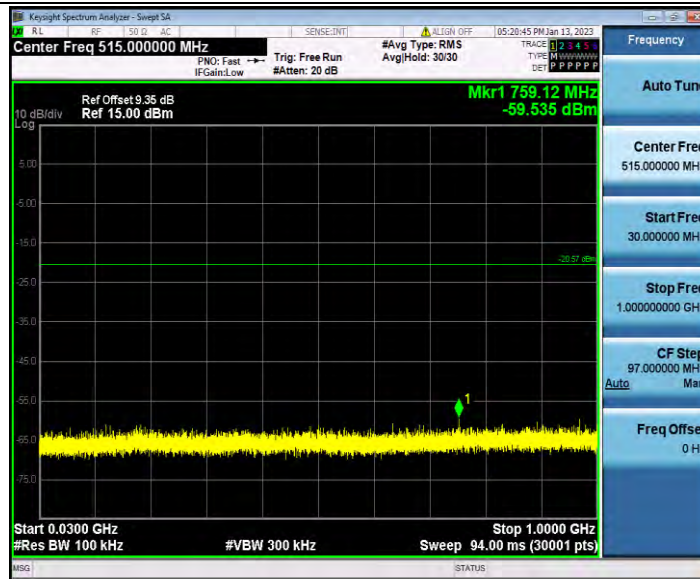
11N20SISO_Ant1_2412_1000~26500



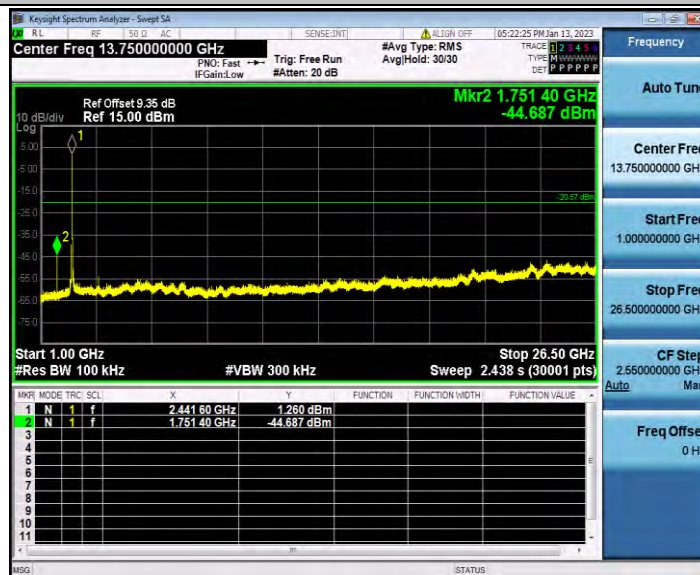
11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



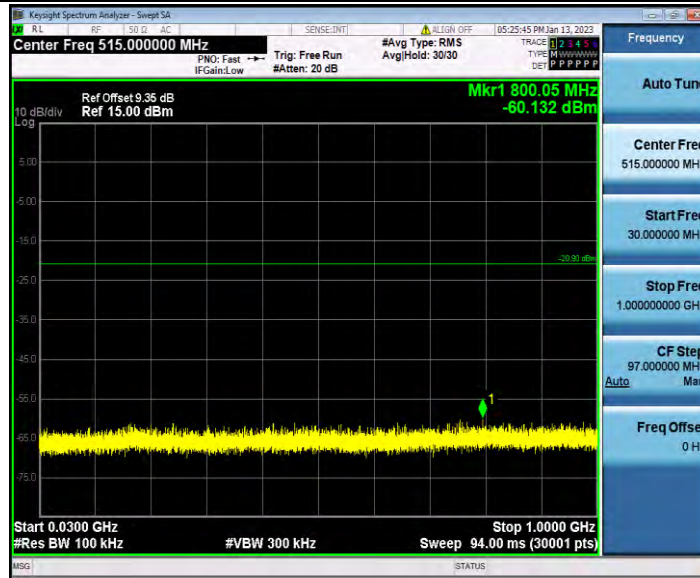
11N20SISO_Ant1_2437_1000~26500



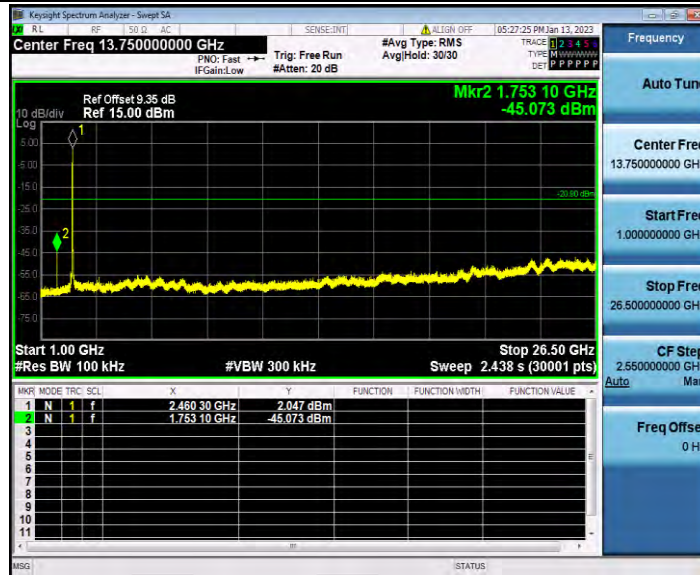
11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



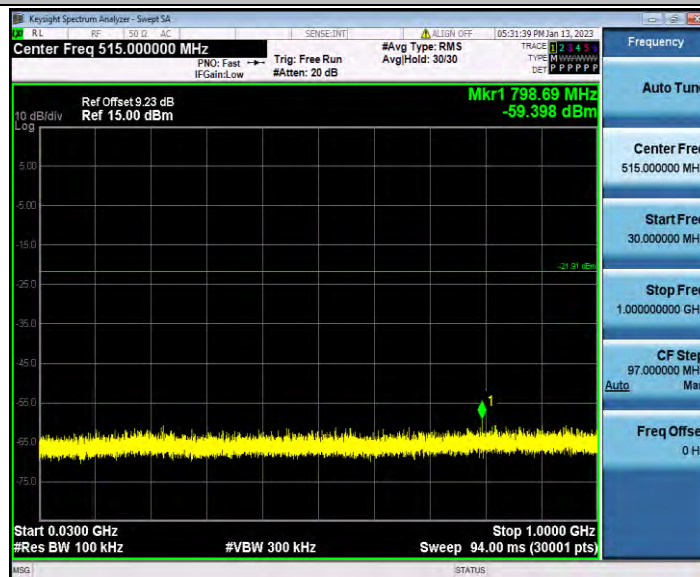
11N20SISO_Ant1_2462_1000~26500



11N40SISO_Ant1_2422_0~Reference



11N40SISO_Ant1_2422_30~1000



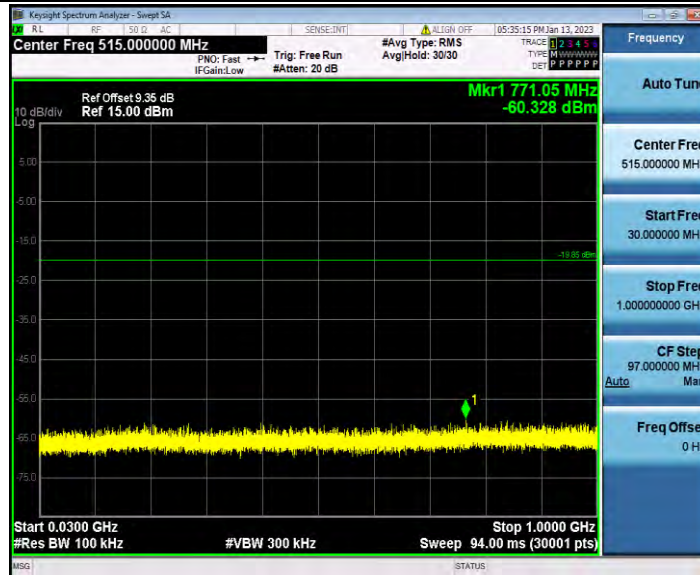
11N40SISO_Ant1_2422_1000~26500



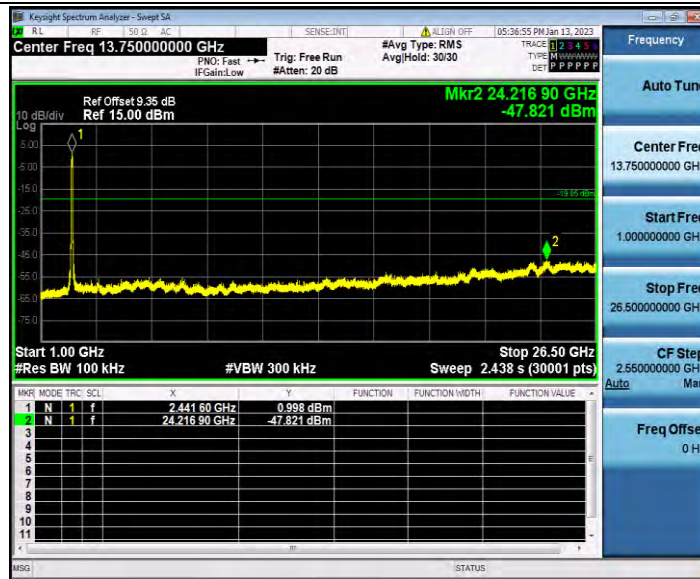
11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_30~1000



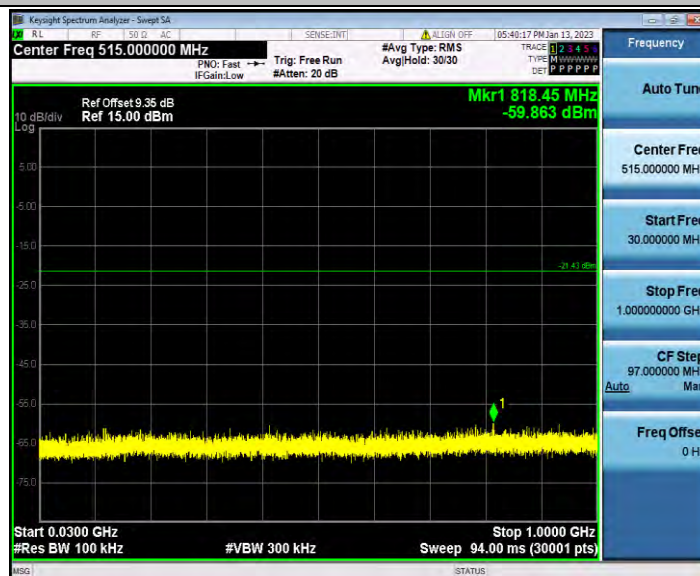
11N40SISO_Ant1_2437_1000~26500



11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



11N40SISO_Ant1_2452_1000~26500

