

Case No. : <u>GTS20230210003-1-5</u>
Ambient Condition: <u>24</u> °C, <u>49</u> %RH, Atmos100.1Kpa,
Test Date: <u>2023.2.28</u> Test Engineer: <u>Jenny zeng</u>

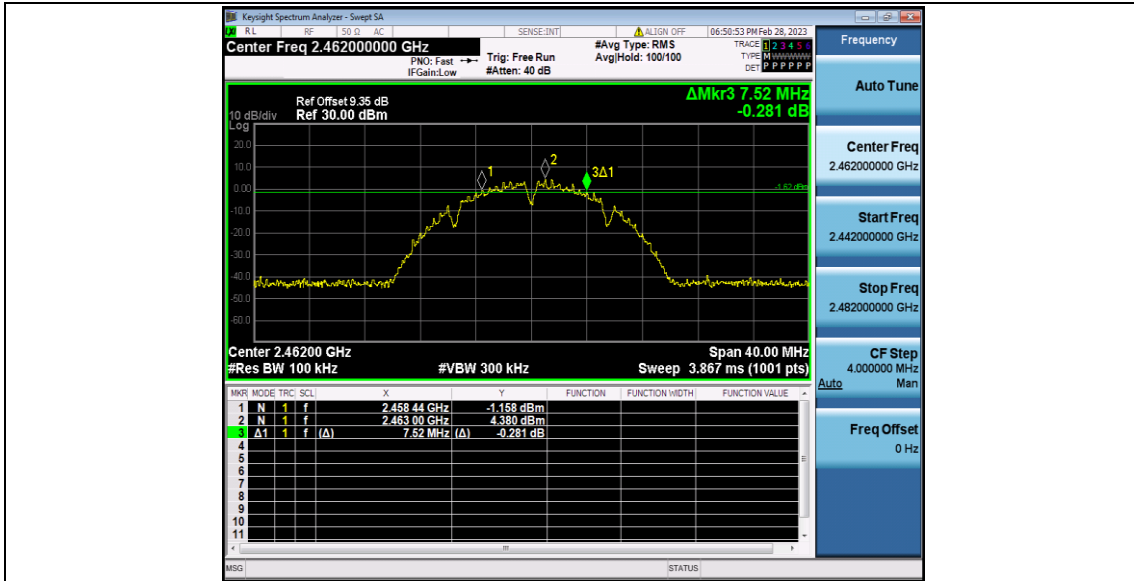
Appendix C.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	8.520	2408.000	2416.520	0.5	PASS
		2437	7.560	2433.000	2440.560	0.5	PASS
		2462	7.520	2458.440	2465.960	0.5	PASS
11G	Ant2	2412	15.040	2405.080	2420.120	0.5	PASS
		2437	12.800	2430.720	2443.520	0.5	PASS
		2462	15.080	2454.480	2469.560	0.5	PASS
11N20SISO	Ant2	2412	15.000	2404.440	2419.440	0.5	PASS
		2437	15.040	2429.480	2444.520	0.5	PASS
		2462	12.840	2456.640	2469.480	0.5	PASS
11N40SISO	Ant2	2422	35.440	2404.480	2439.920	0.5	PASS
		2437	35.040	2419.480	2454.520	0.5	PASS
		2452	35.120	2434.480	2469.600	0.5	PASS

Test Graphs





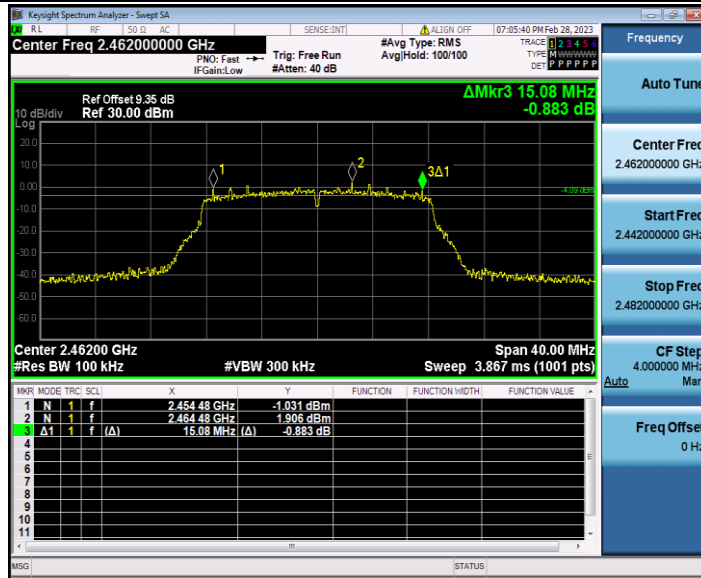
11G_Ant2_2412



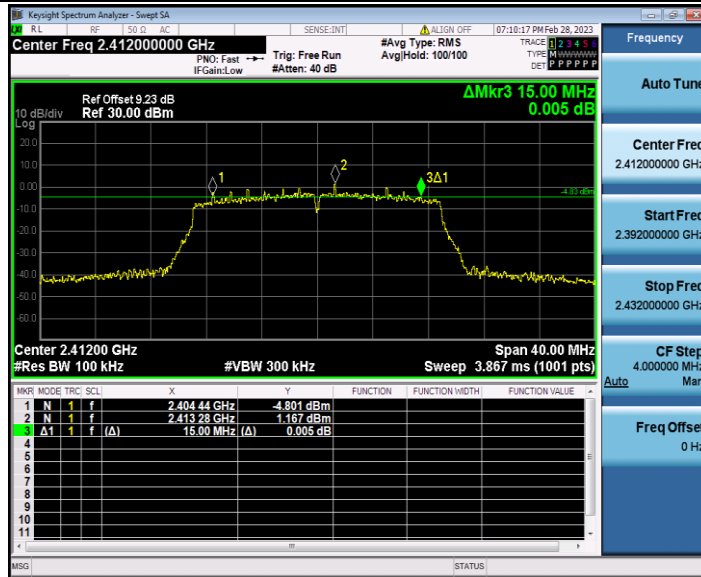
11G_Ant2_2437



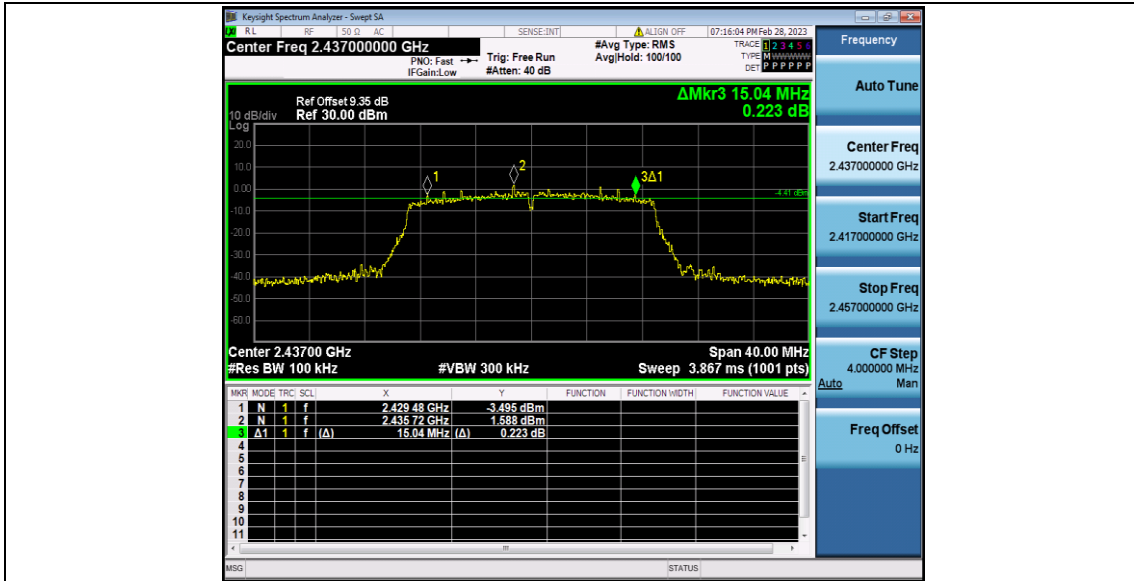
11G_Ant2_2462



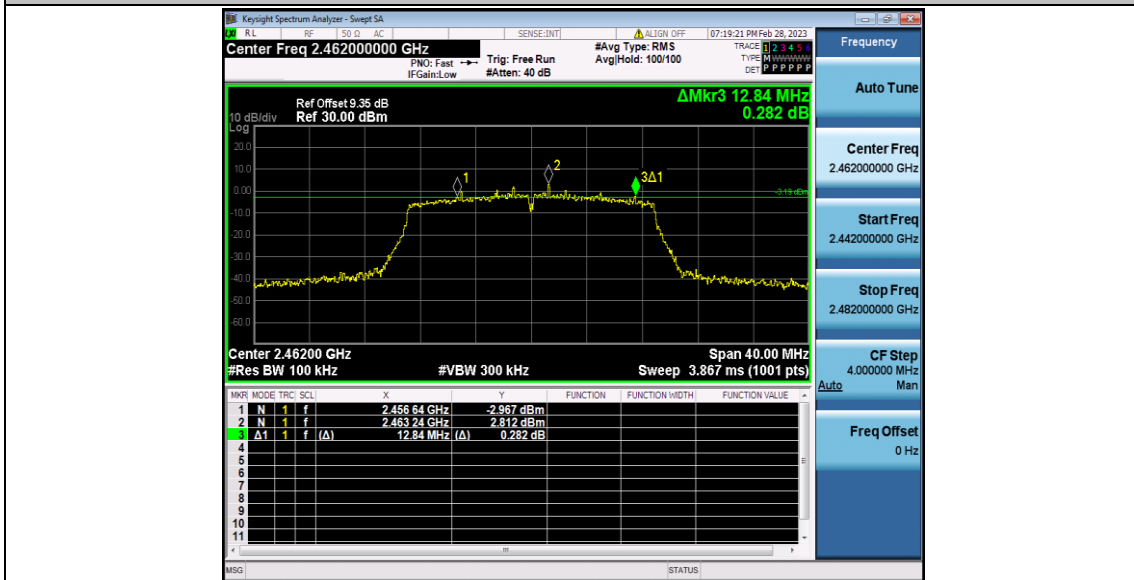
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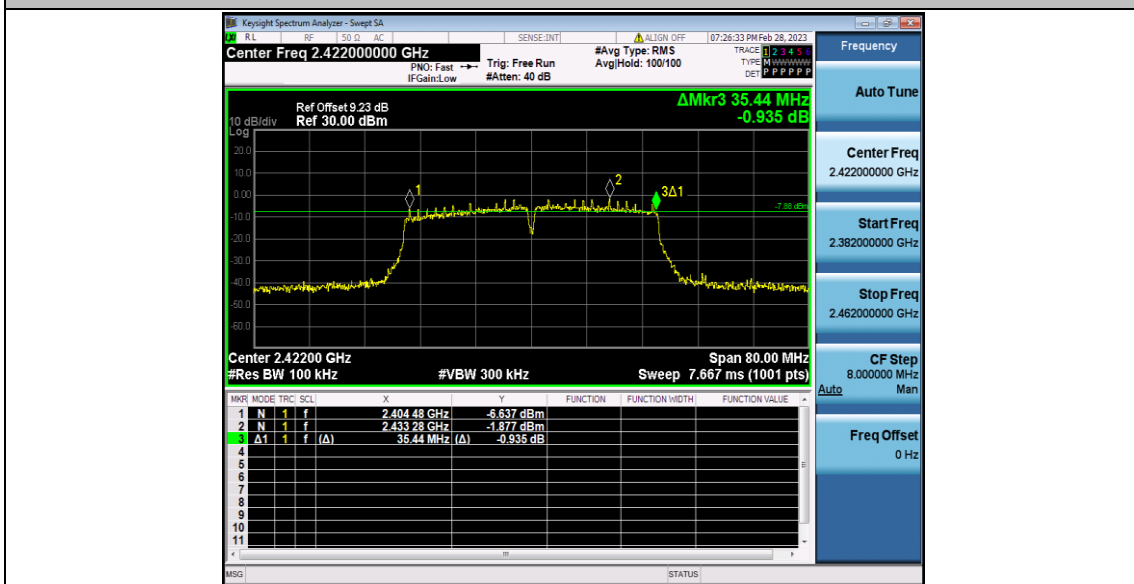
11N20SISO_Ant2_2437



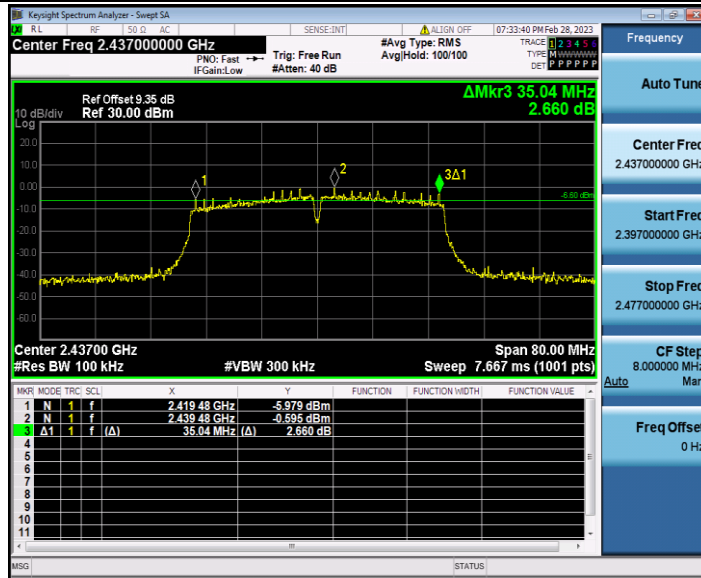
11N20SISO_Ant2_2462



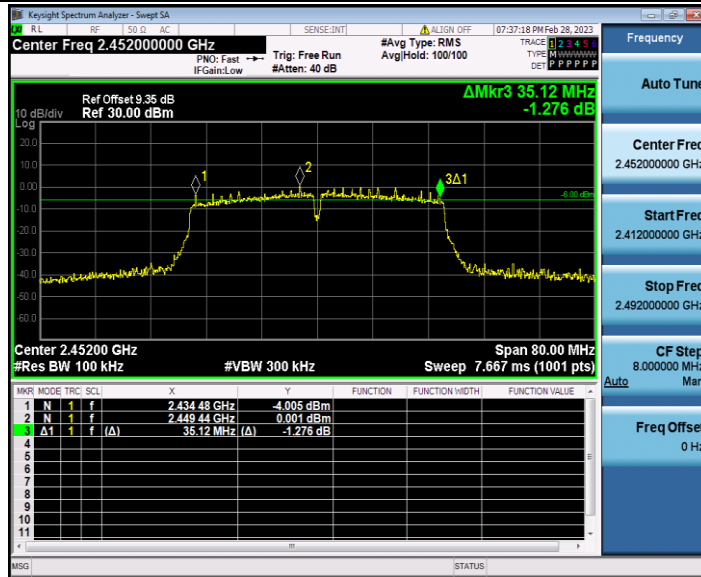
11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452

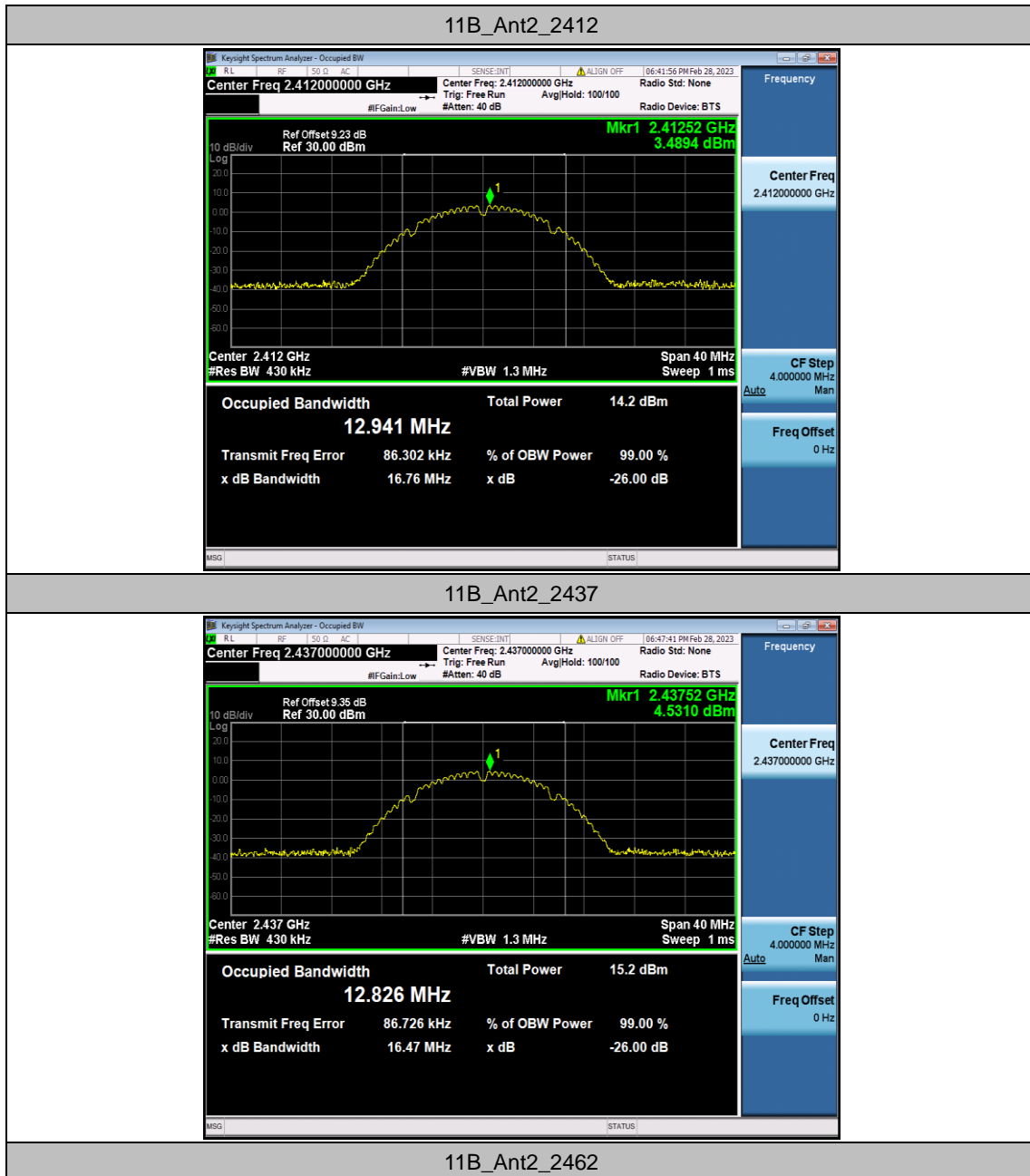


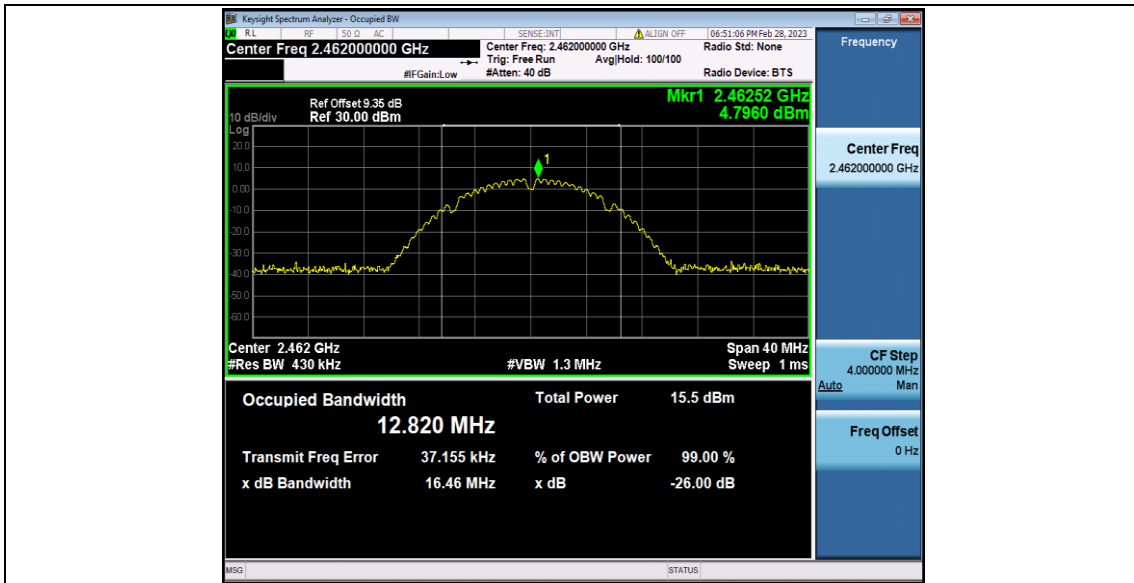
Appendix C.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	12.941	2405.616	2418.557	---	---
		2437	12.826	2430.674	2443.500	---	---
		2462	12.820	2455.627	2468.447	---	---
11G	Ant2	2412	16.918	2403.586	2420.504	---	---
		2437	16.838	2428.666	2445.504	---	---
		2462	16.769	2453.659	2470.428	---	---
11N20SISO	Ant2	2412	17.779	2403.190	2420.969	---	---
		2437	17.770	2428.203	2445.973	---	---
		2462	17.772	2453.147	2470.919	---	---
11N40SISO	Ant2	2422	36.191	2404.109	2440.300	---	---
		2437	36.036	2419.158	2455.194	---	---
		2452	36.053	2434.103	2470.156	---	---

Test Graphs





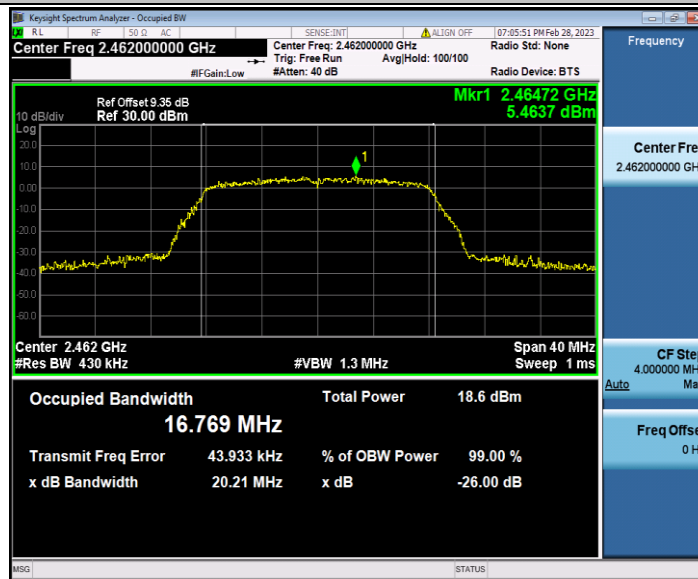
11G_Ant2_2412



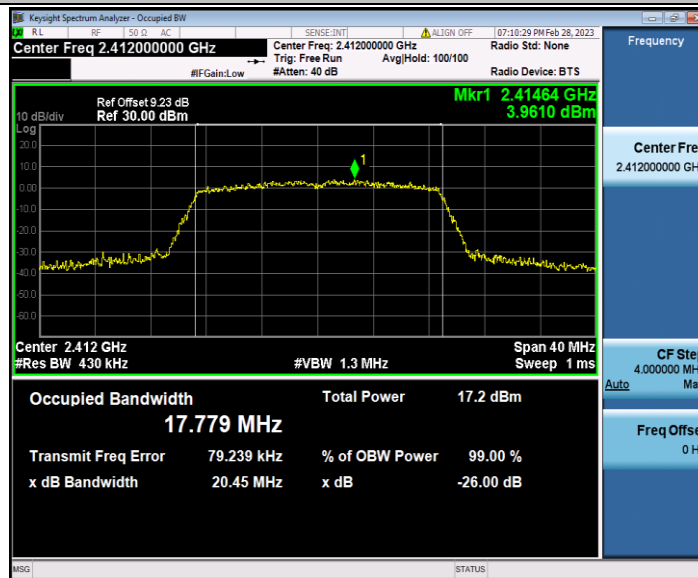
11G_Ant2_2437



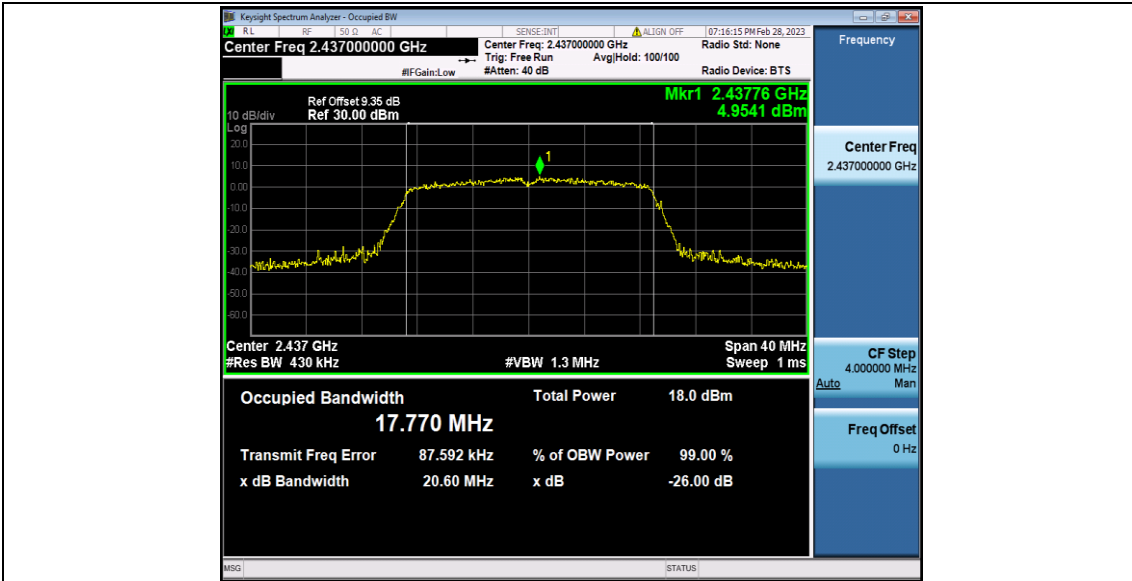
11G_Ant2_2462



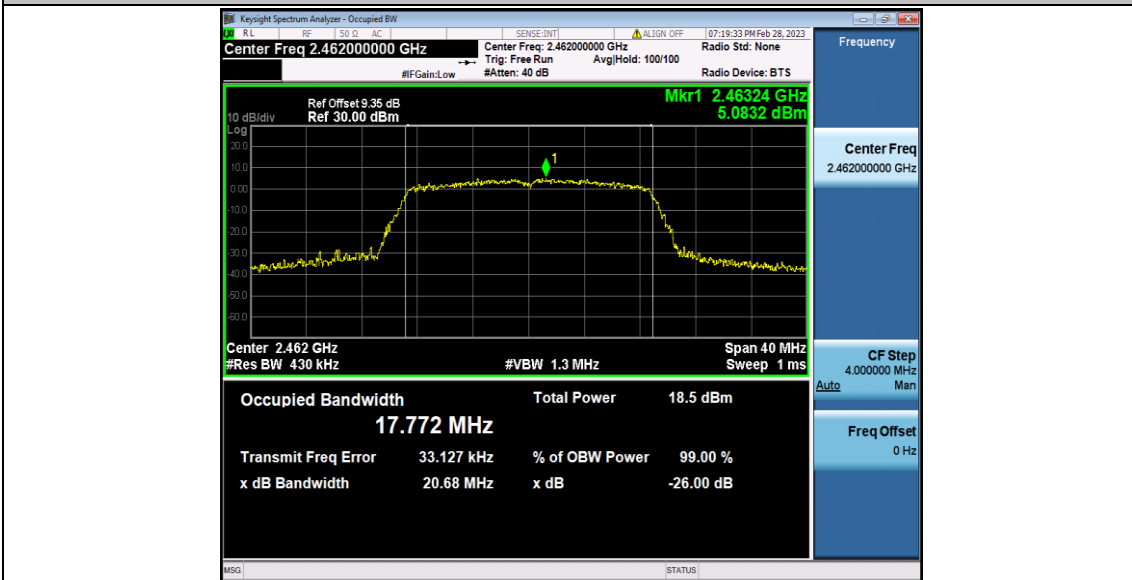
11N20SISO_Ant2_2412



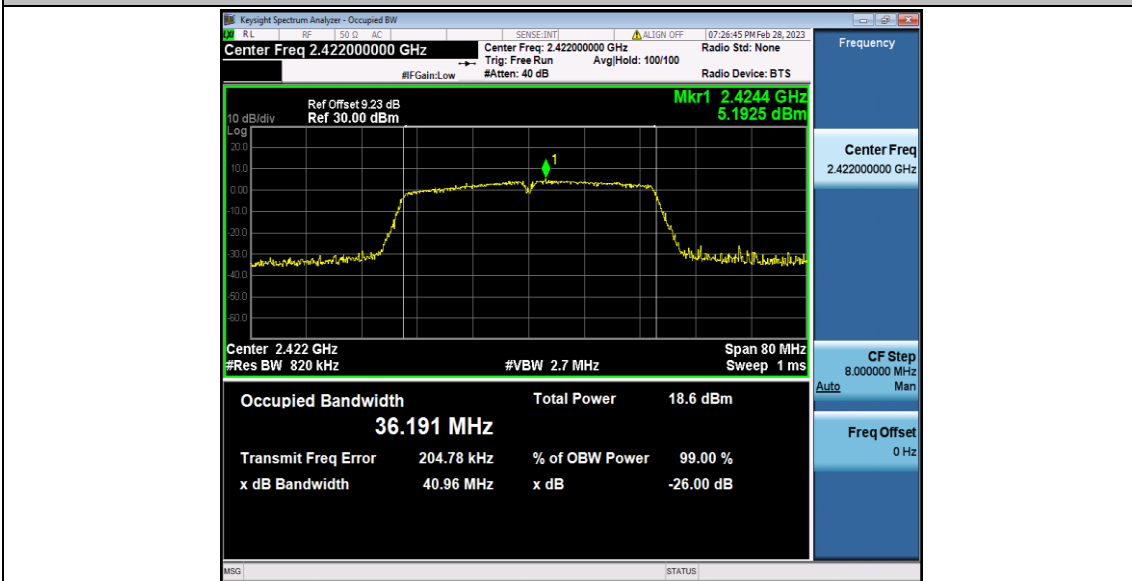
11N20SISO_Ant2_2437



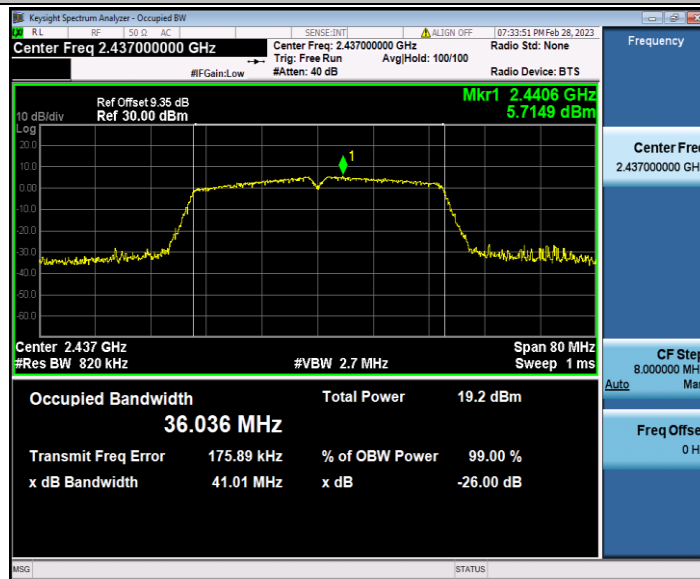
11N20SISO_Ant2_2462



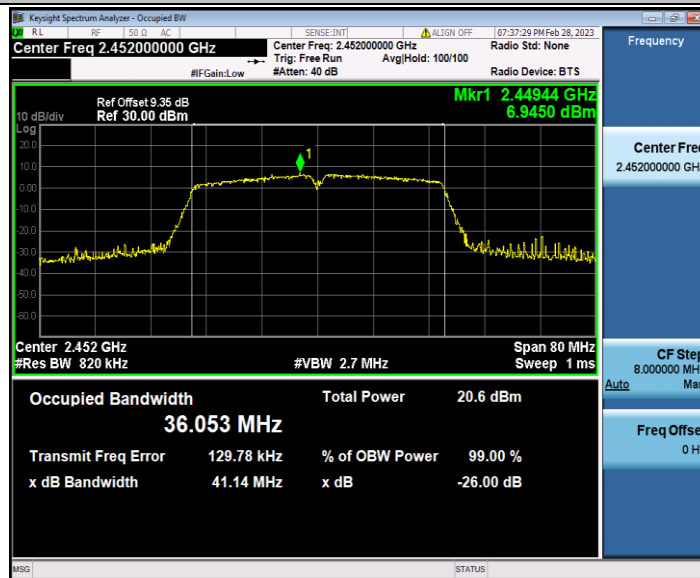
11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452



Appendix C.3: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[M Hz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant2	2412	14.20	≤30.00	PASS
		2437	15.23	≤30.00	PASS
		2462	15.53	≤30.00	PASS
11G	Ant2	2412	18.55	≤30.00	PASS
		2437	19.34	≤30.00	PASS
		2462	19.67	≤30.00	PASS
11N20SISO	Ant2	2412	18.41	≤30.00	PASS
		2437	19.25	≤30.00	PASS
		2462	19.59	≤30.00	PASS
11N40SISO	Ant2	2422	18.96	≤30.00	PASS
		2437	19.62	≤30.00	PASS
		2452	20.98	≤30.00	PASS

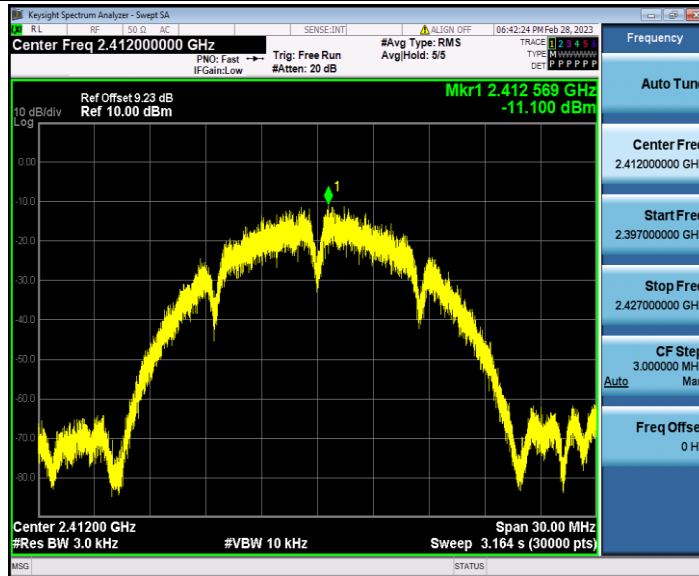
Appendix C.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant2	2412	-11.1	≤8.00	PASS
		2437	-10.19	≤8.00	PASS
		2462	-9.92	≤8.00	PASS
11G	Ant2	2412	-13.82	≤8.00	PASS
		2437	-12.23	≤8.00	PASS
		2462	-12.47	≤8.00	PASS
11N20SISO	Ant2	2412	-12.95	≤8.00	PASS
		2437	-12.43	≤8.00	PASS
		2462	-12.47	≤8.00	PASS
11N40SISO	Ant2	2422	-15.39	≤8.00	PASS
		2437	-15	≤8.00	PASS
		2452	-13.38	≤8.00	PASS

Test Graphs

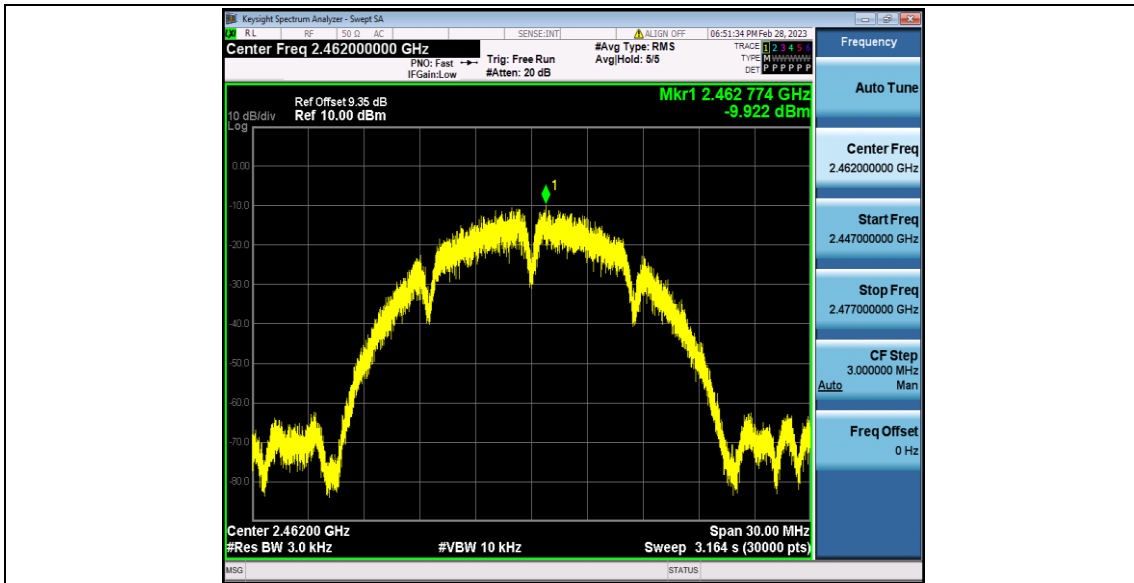
11B_Ant2_2412



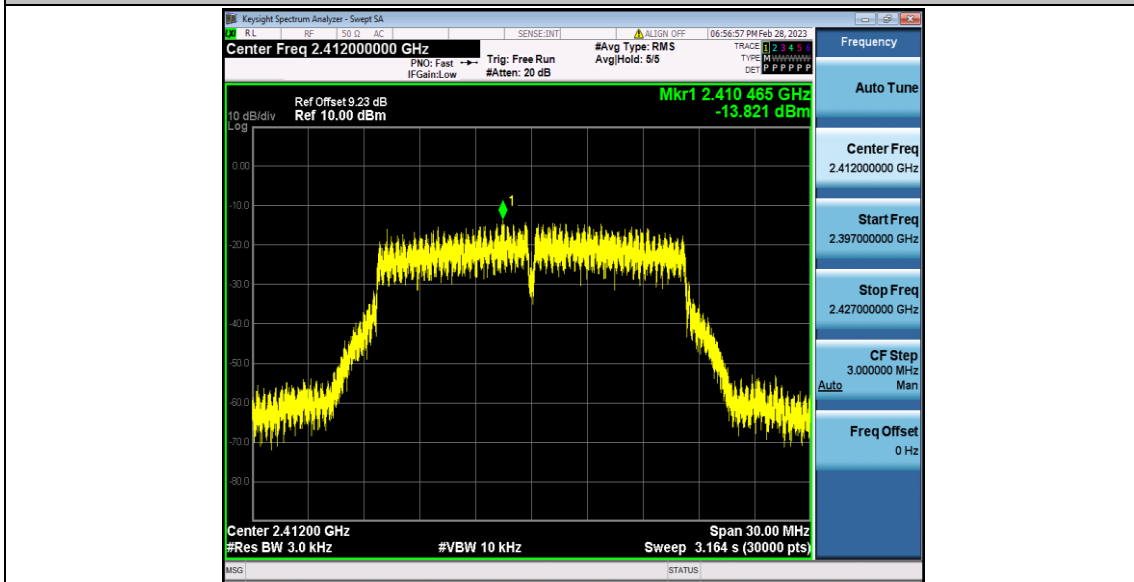
11B_Ant2_2437



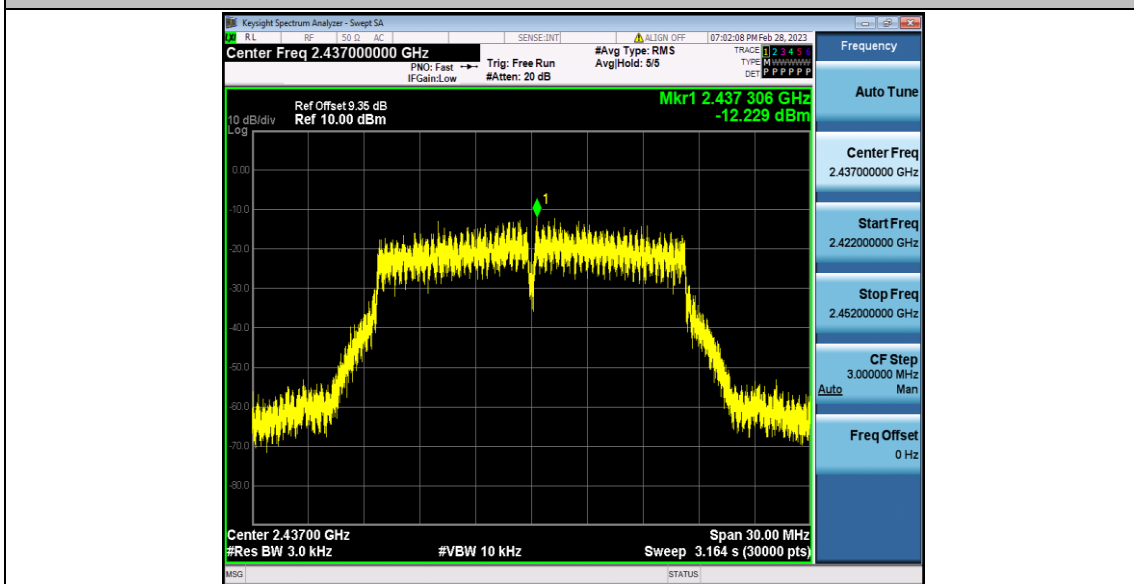
11B_Ant2_2462



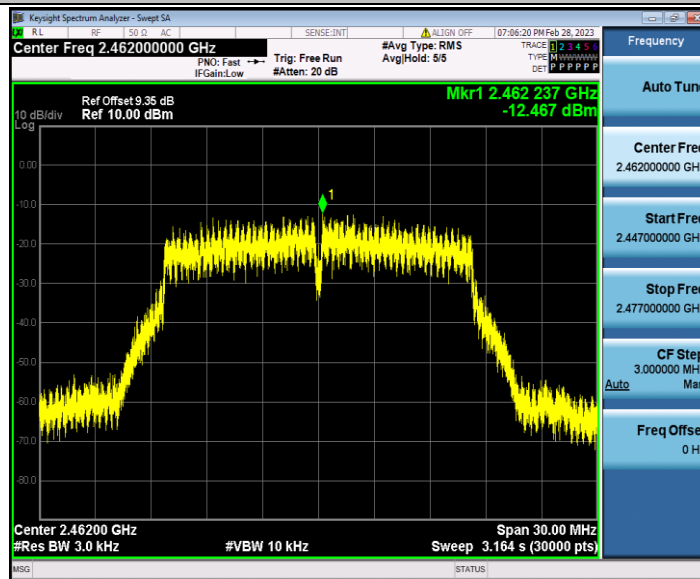
11G_Ant2_2412



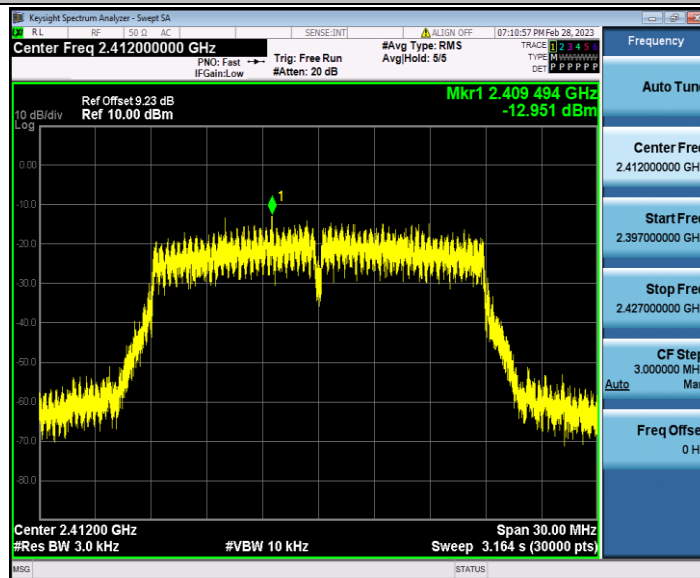
11G_Ant2_2437



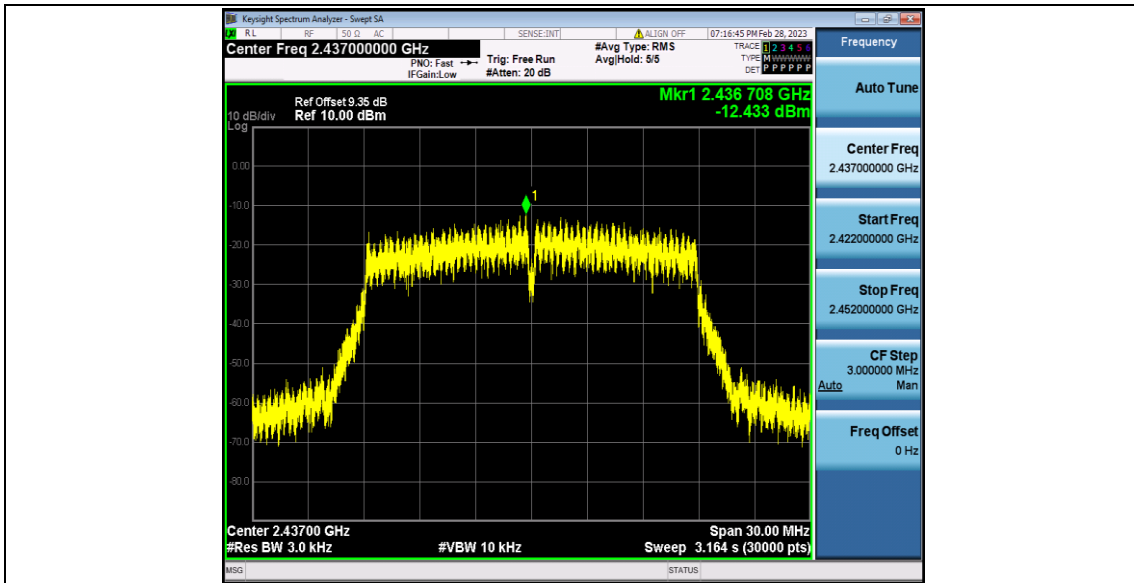
11G_Ant2_2462



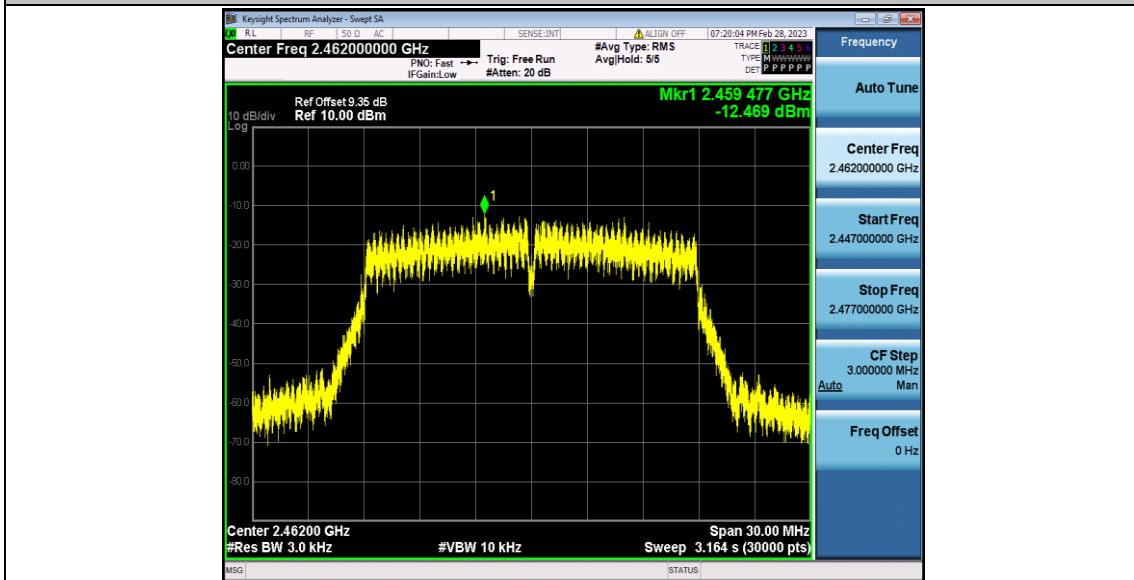
11N20SISO_Ant2_2412



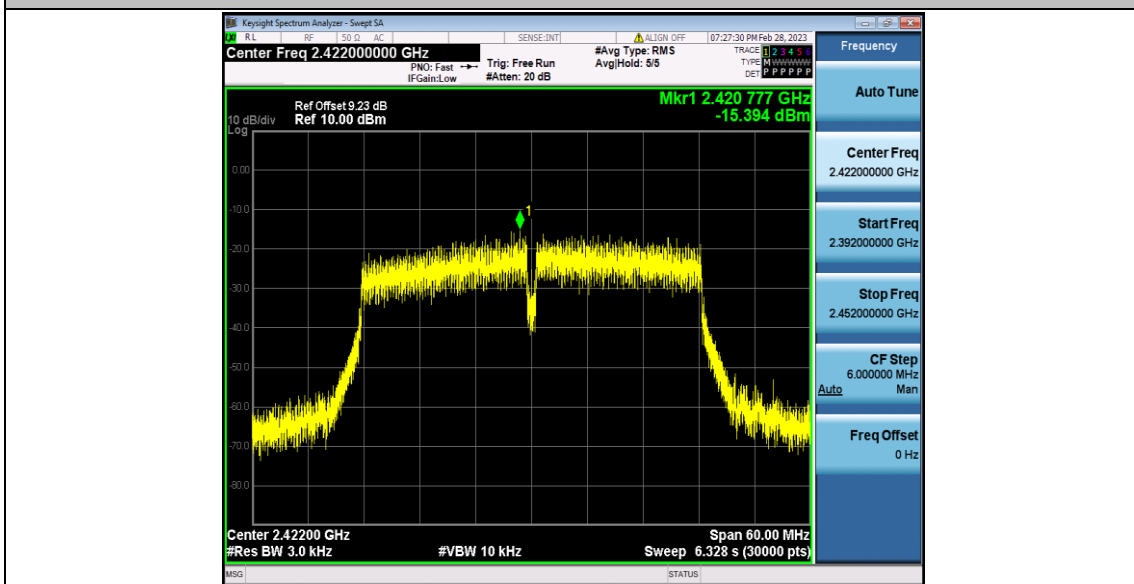
11N20SISO_Ant2_2437



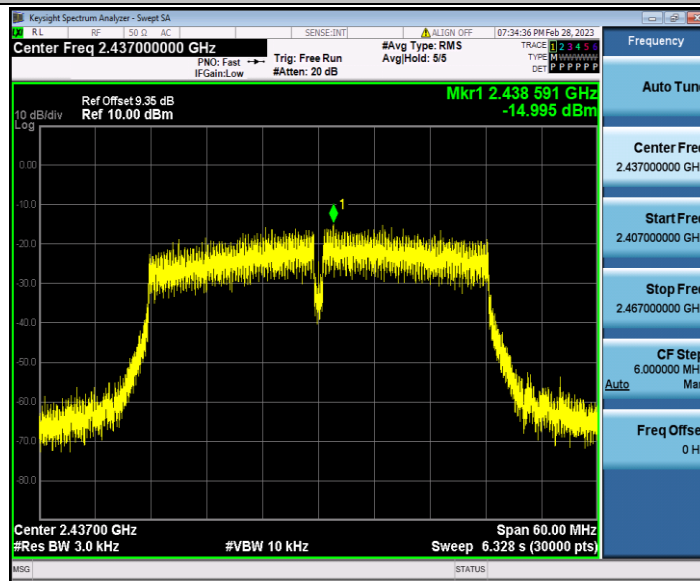
11N20SISO_Ant2_2462



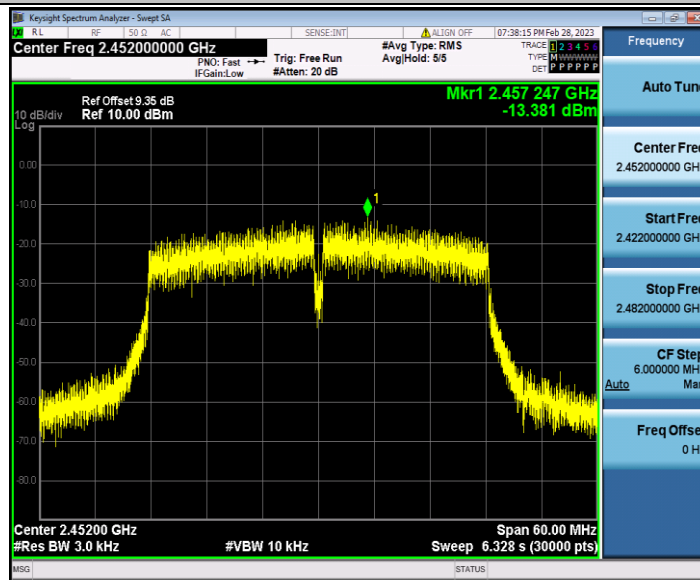
11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452



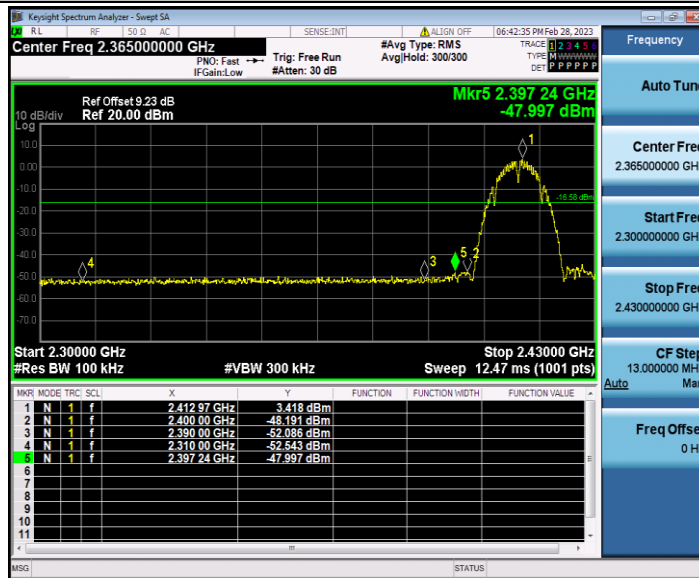
Appendix C.5: Band edge measurements

Test Result

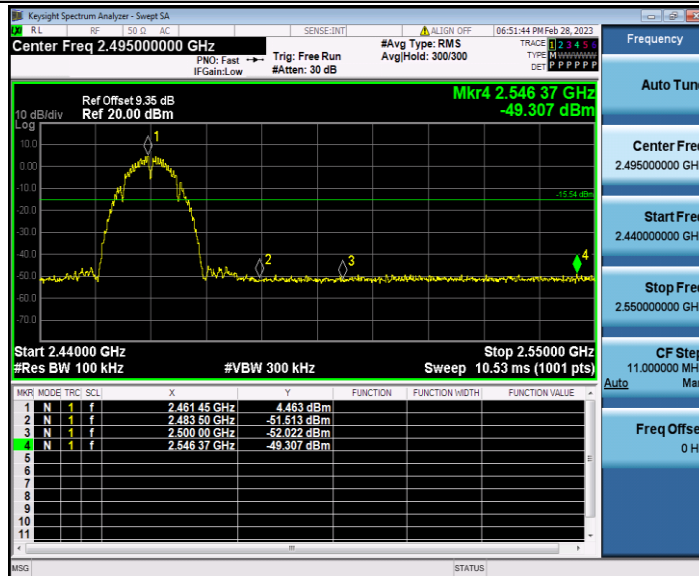
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant2	Low	2412	3.42	-48	≤-16.58	PASS
		High	2462	4.46	-49.31	≤-15.54	PASS
11G	Ant2	Low	2412	0.80	-37.14	≤-19.2	PASS
		High	2462	2.12	-47.79	≤-17.89	PASS
11N20SISO	Ant2	Low	2412	0.62	-37.4	≤-19.38	PASS
		High	2462	2.83	-47.64	≤-17.17	PASS
11N40SISO	Ant2	Low	2422	-1.28	-40.01	≤-21.28	PASS
		High	2452	0.68	-38.03	≤-19.32	PASS

Test Graphs

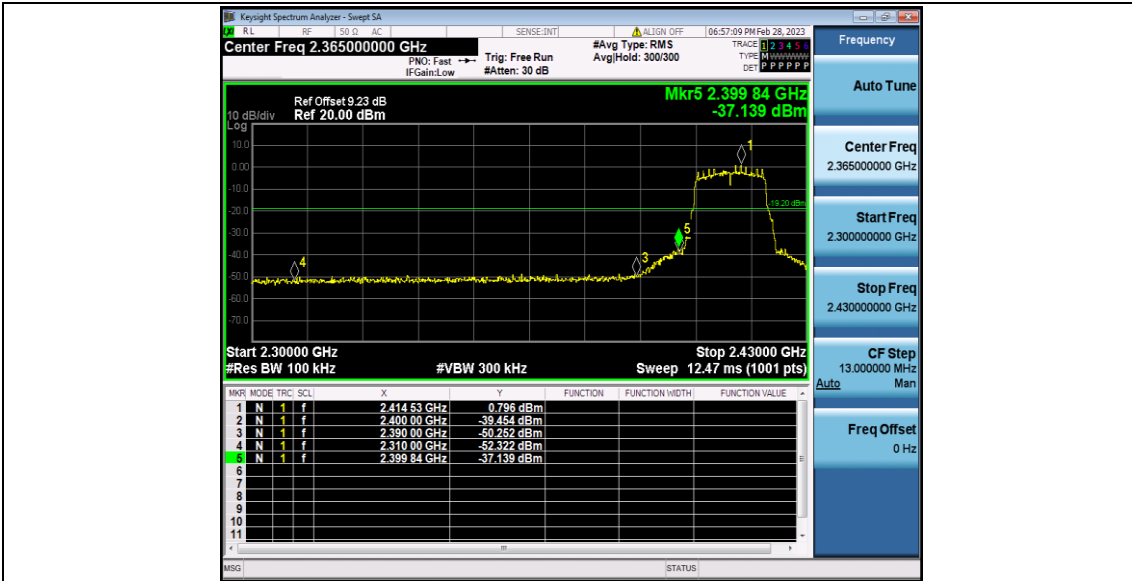
11B_Ant2_Low_2412



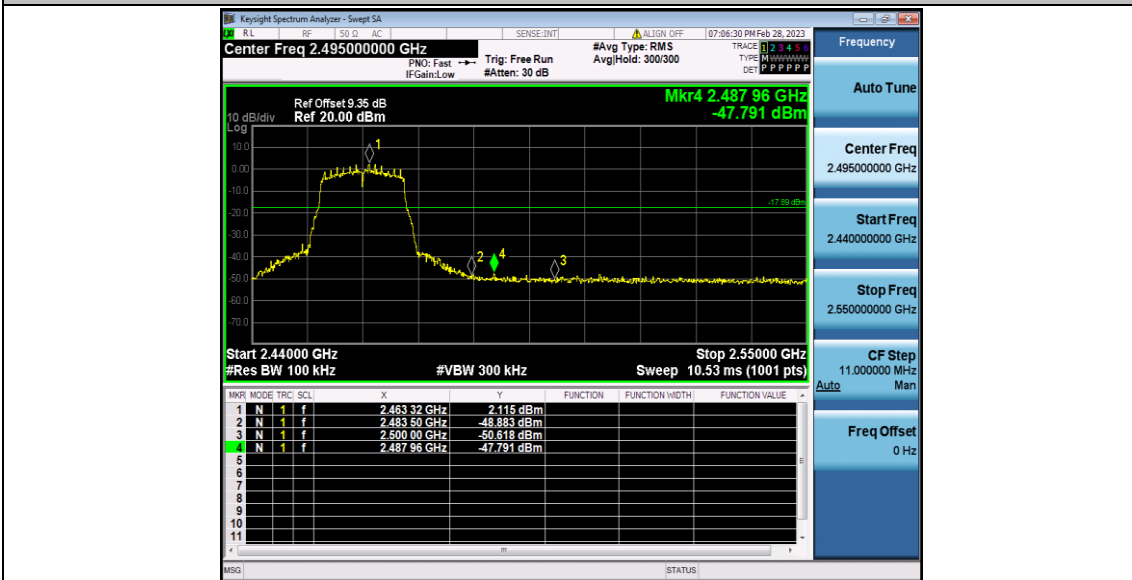
11B_Ant2_High_2462



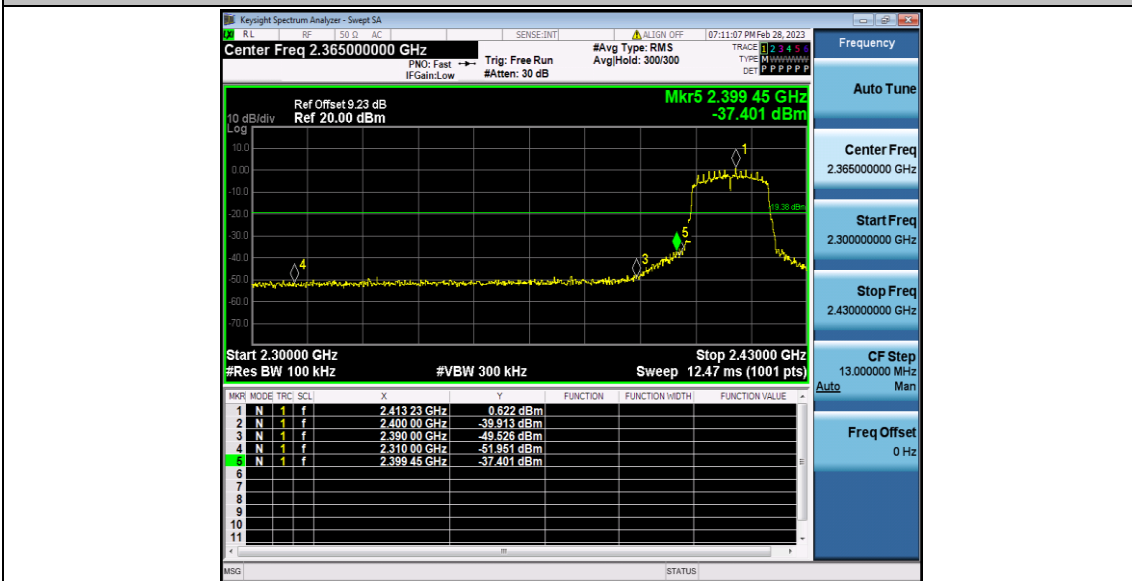
11G_Ant2_Low_2412



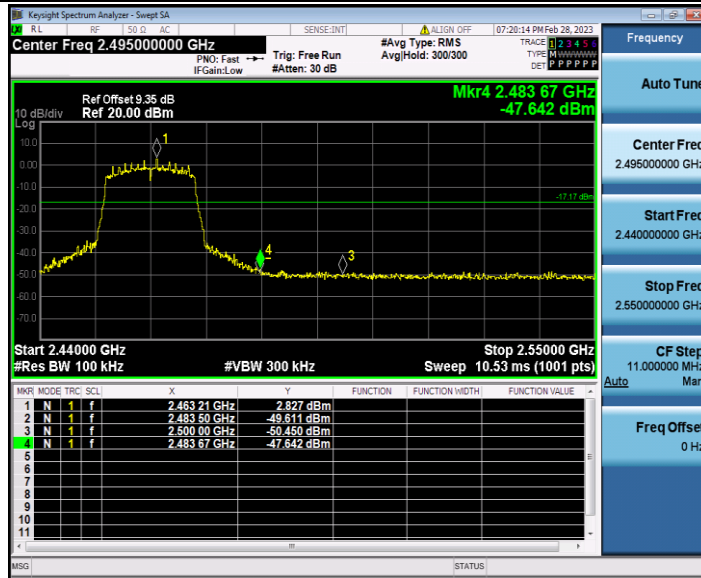
11G_Ant2_High_2462



11N20SISO_Ant2_Low_2412



11N20SISO_Ant2_High_2462



11N40SISO_Ant2_Low_2422



11N40SISO_Ant2_High_2452

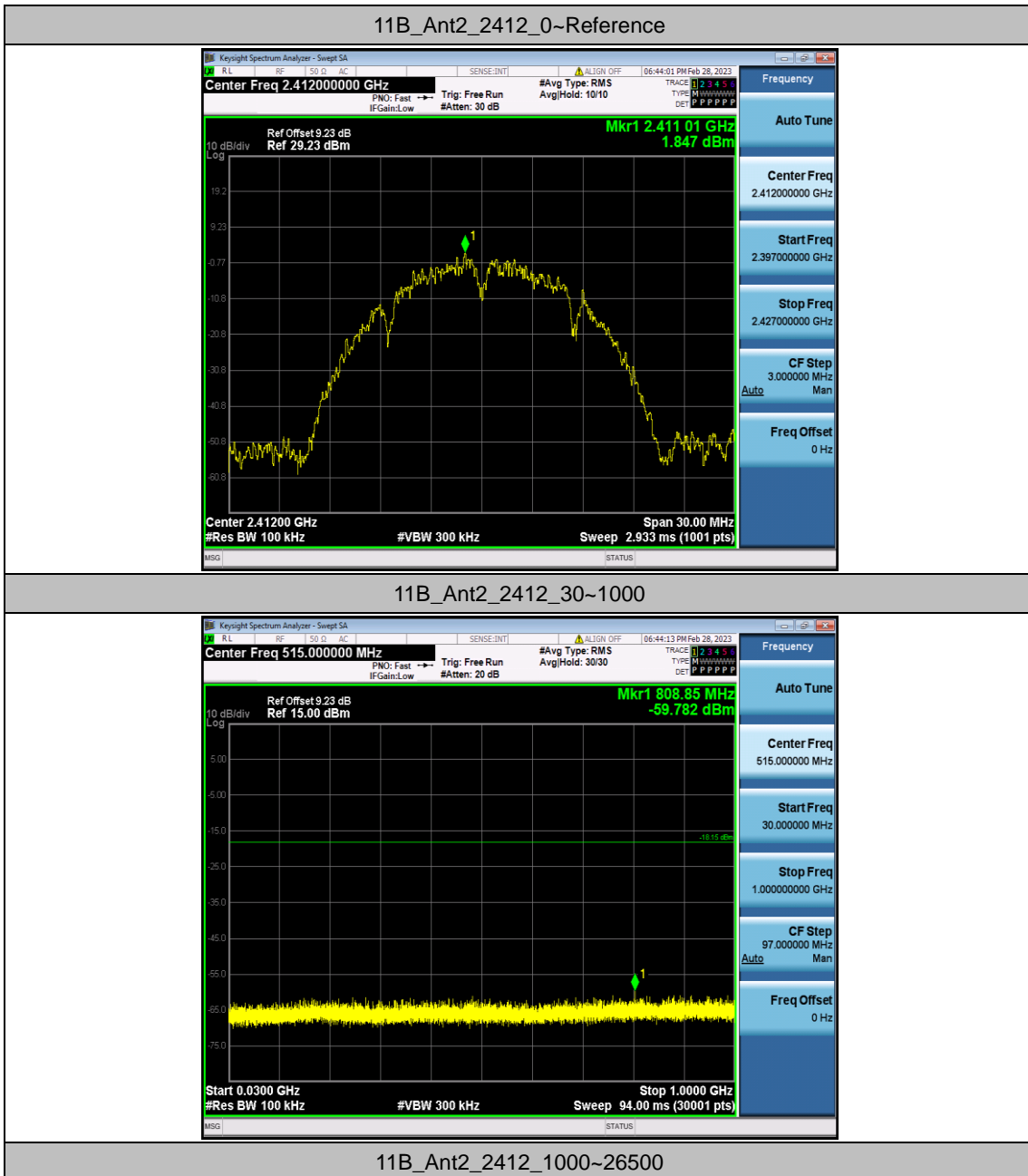


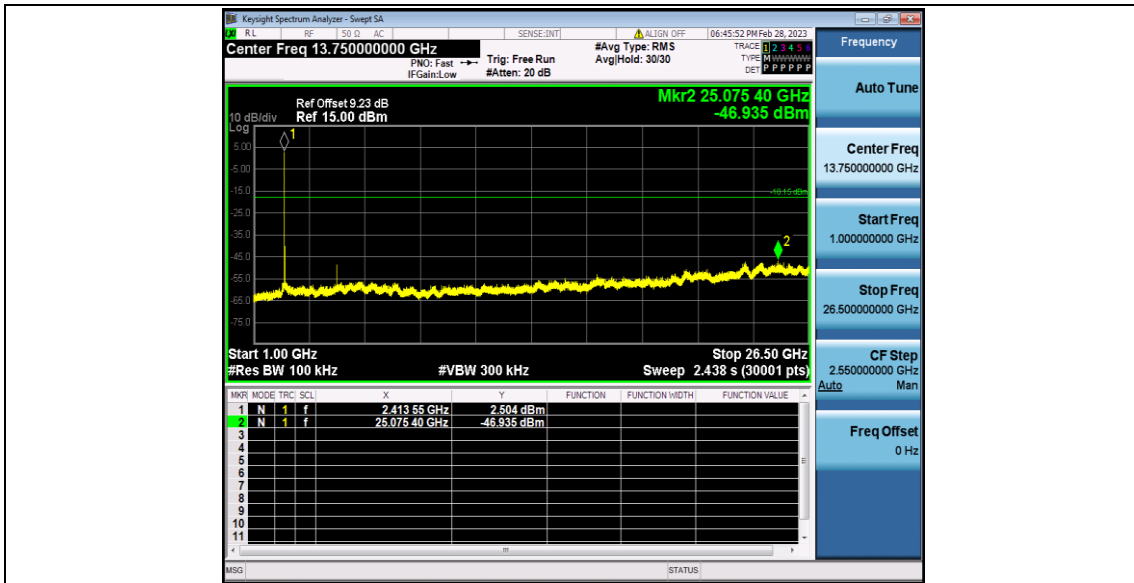
Appendix C.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant2	2412	Reference	1.85	1.85	---	PASS
			30~1000	1.85	-59.78	≤-18.15	PASS
			1000~26500	1.85	-46.94	≤-18.15	PASS
		2437	Reference	3.11	3.11	---	PASS
			30~1000	3.11	-51.82	≤-16.89	PASS
			1000~26500	3.11	-47.64	≤-16.89	PASS
		2462	Reference	3.00	3.00	---	PASS
			30~1000	3.00	-59.68	≤-17	PASS
			1000~26500	3.00	-47.43	≤-17	PASS
11G	Ant2	2412	Reference	0.55	0.55	---	PASS
			30~1000	0.55	-60.24	≤-19.45	PASS
			1000~26500	0.55	-47.43	≤-19.45	PASS
		2437	Reference	1.48	1.48	---	PASS
			30~1000	1.48	-60.54	≤-18.52	PASS
			1000~26500	1.48	-47.22	≤-18.52	PASS
		2462	Reference	0.42	0.42	---	PASS
			30~1000	0.42	-59.94	≤-19.58	PASS
			1000~26500	0.42	-48.05	≤-19.58	PASS
11N20SISO	Ant2	2412	Reference	-3.02	-3.02	---	PASS
			30~1000	-3.02	-59.72	≤-23.02	PASS
			1000~26500	-3.02	-46.83	≤-23.02	PASS
		2437	Reference	2.28	2.28	---	PASS
			30~1000	2.28	-60.52	≤-17.72	PASS
			1000~26500	2.28	-47.71	≤-17.72	PASS
		2462	Reference	-1.25	-1.25	---	PASS
			30~1000	-1.25	-59.85	≤-21.25	PASS
			1000~26500	-1.25	-47.92	≤-21.25	PASS
11N40SISO	Ant2	2422	Reference	-3.90	-3.90	---	PASS
			30~1000	-3.90	-52.16	≤-23.9	PASS
			1000~26500	-3.90	-47.41	≤-23.9	PASS
		2437	Reference	-0.50	-0.50	---	PASS
			30~1000	-0.50	-60.56	≤-20.5	PASS
			1000~26500	-0.50	-47.95	≤-20.5	PASS
		2452	Reference	-0.33	-0.33	---	PASS
			30~1000	-0.33	-60.08	≤-20.33	PASS
			1000~26500	-0.33	-47.07	≤-20.33	PASS

Test Graphs

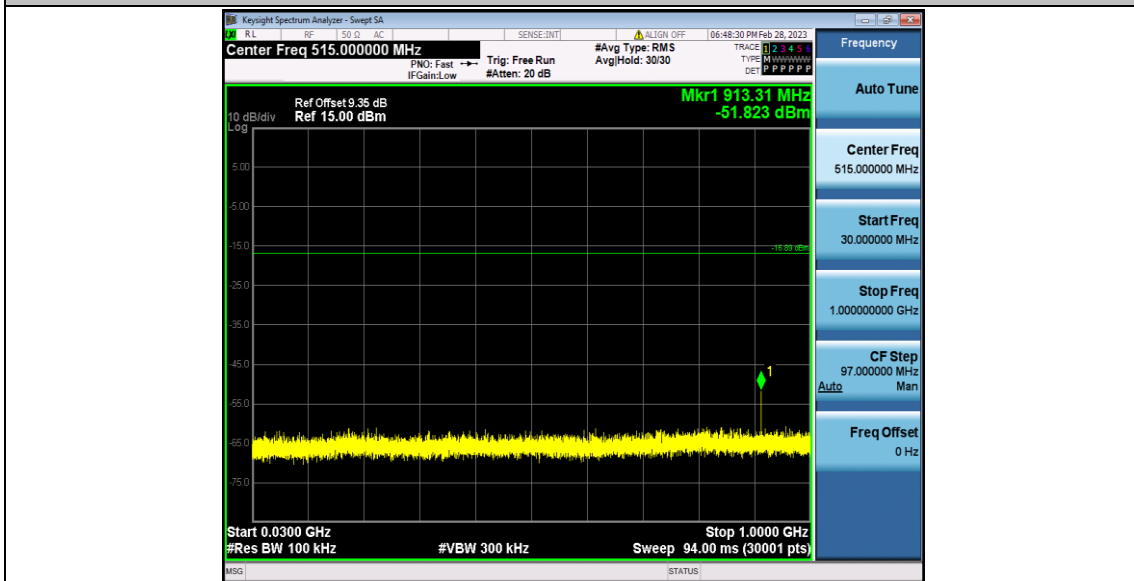




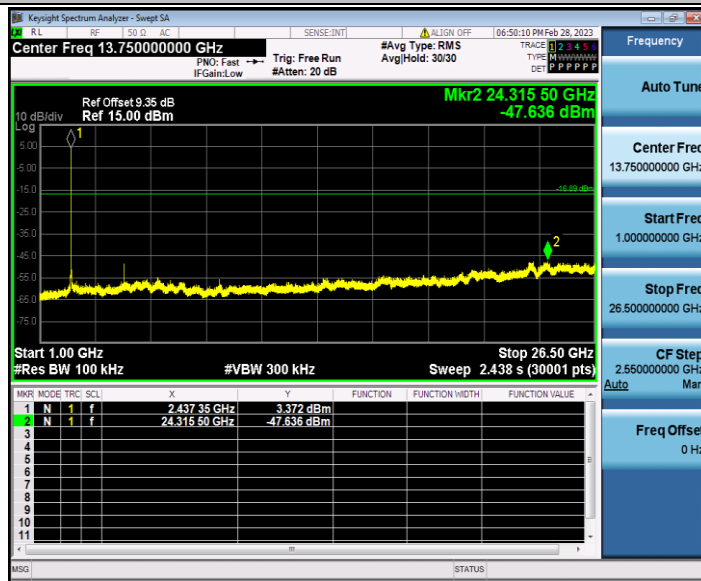
11B_Ant2_2437_0-Reference



11B_Ant2_2437_30-1000



11B_Ant2_2437_1000~26500



11B_Ant2_2462_0~Reference



11B_Ant2_2462_30~1000