

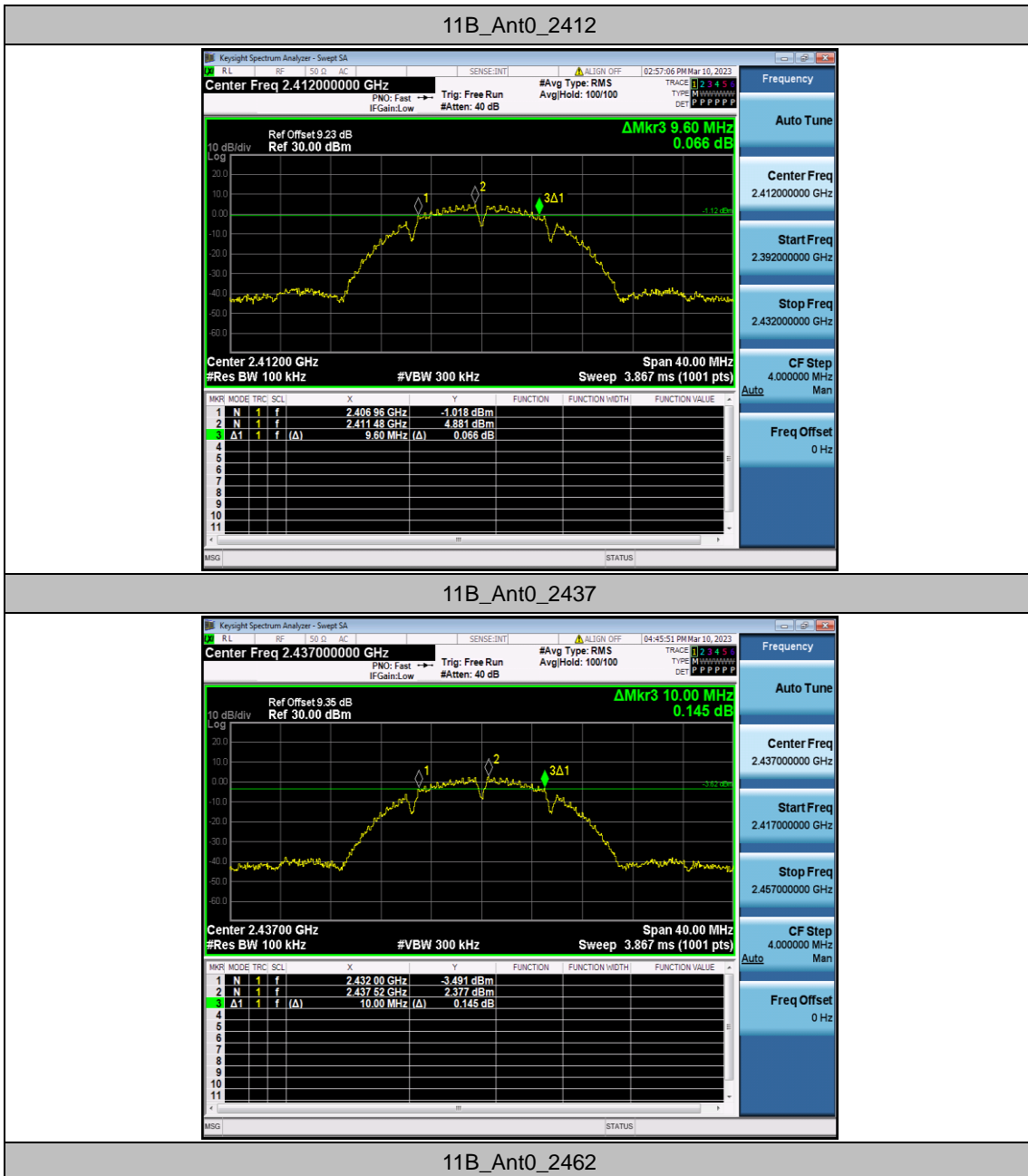
Case No. : <u>GTS20221227001-1-1</u>
Ambient Condition: <u>23</u> °C, <u>50</u> %RH, Atmos100.1Kpa,
Test Date: <u>2023.3.10</u> Test Engineer: <u>Jenny zeng</u>

Appendix A.1: DTS Bandwidth

Test Result

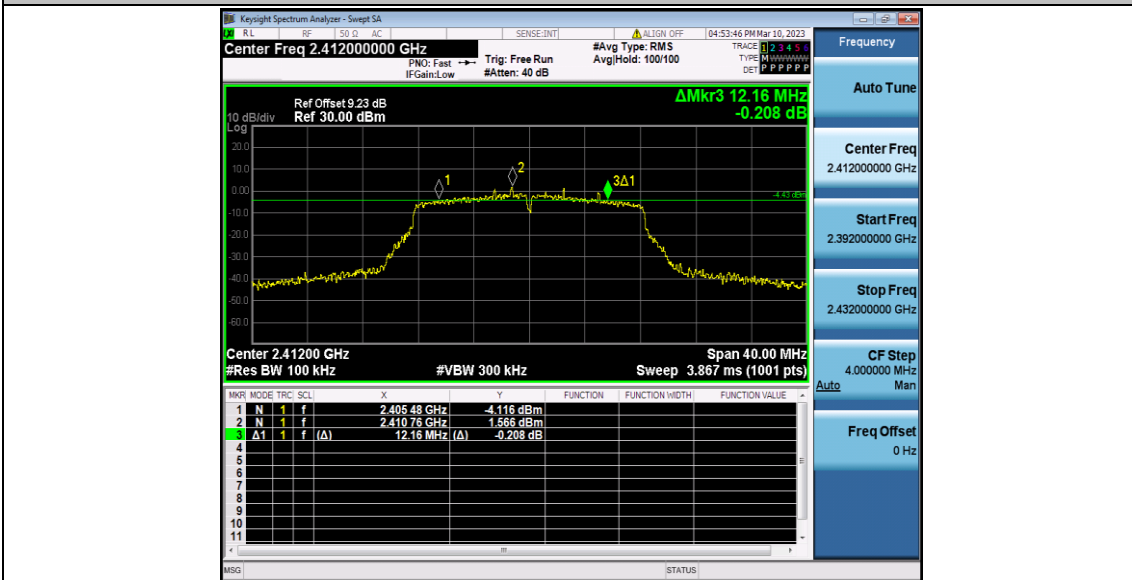
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant0	2412	9.600	2406.960	2416.560	0.5	PASS
		2437	10.000	2432.000	2442.000	0.5	PASS
		2462	10.000	2457.000	2467.000	0.5	PASS
11G	Ant0	2412	12.160	2405.480	2417.640	0.5	PASS
		2437	16.240	2428.880	2445.120	0.5	PASS
		2462	15.000	2454.480	2469.480	0.5	PASS
11N20SISO	Ant0	2412	15.080	2404.480	2419.560	0.5	PASS
		2437	15.120	2429.440	2444.560	0.5	PASS
		2462	14.960	2454.520	2469.480	0.5	PASS
11N40SISO	Ant0	2422	30.000	2404.480	2434.480	0.5	PASS
		2437	34.960	2419.480	2454.440	0.5	PASS
		2452	33.760	2435.680	2469.440	0.5	PASS

Test Graphs





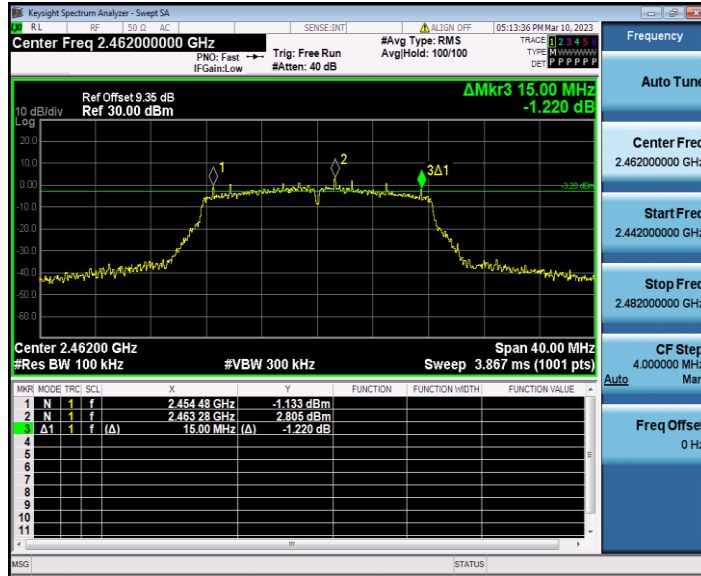
11G_Ant0_2412



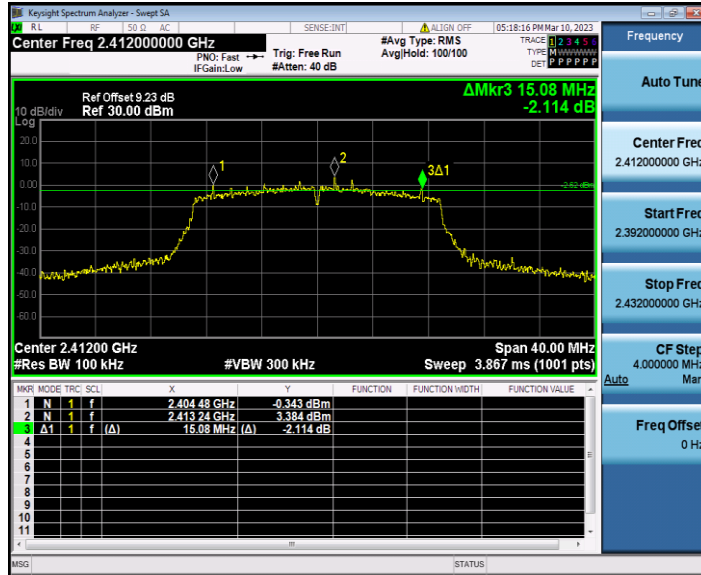
11G_Ant0_2437



11G_Ant0_2462



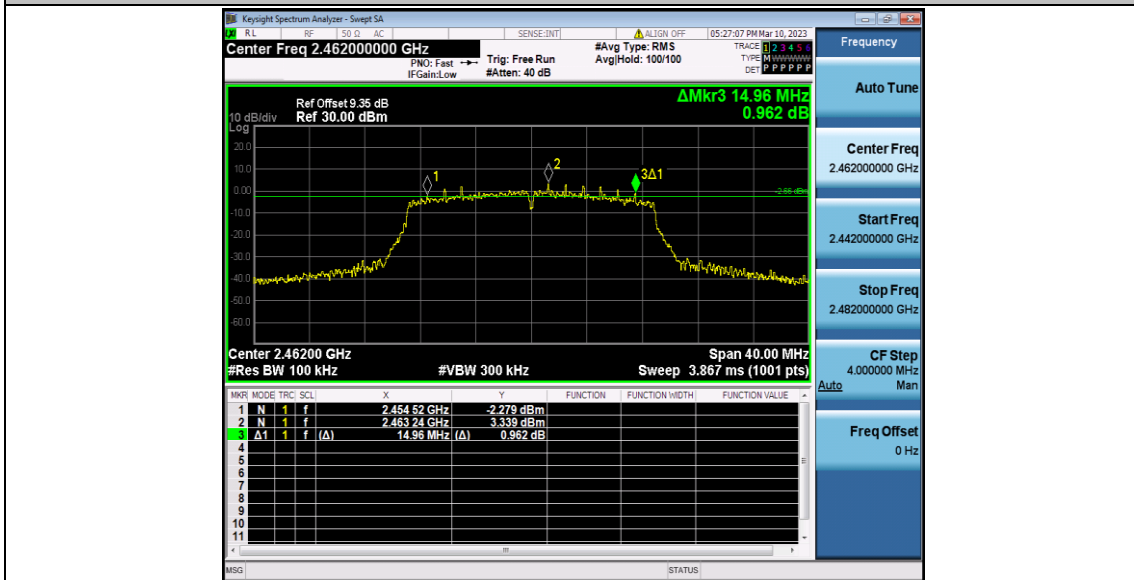
11N20SISO_Ant0_2412



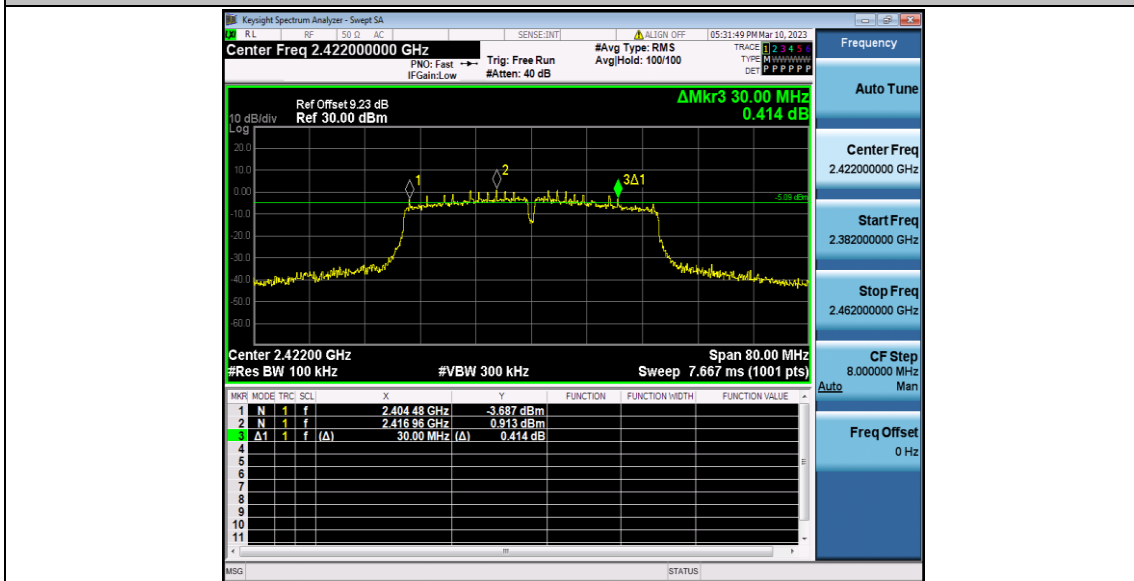
11N20SISO_Ant0_2437



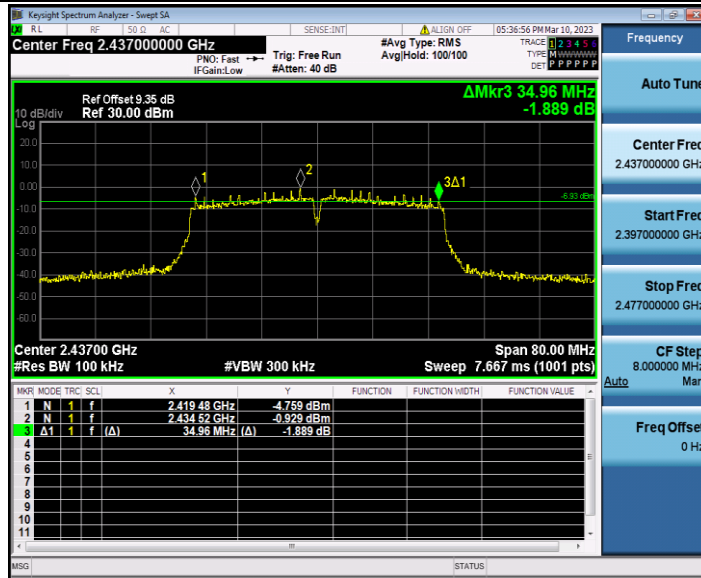
11N20SISO_Ant0_2462



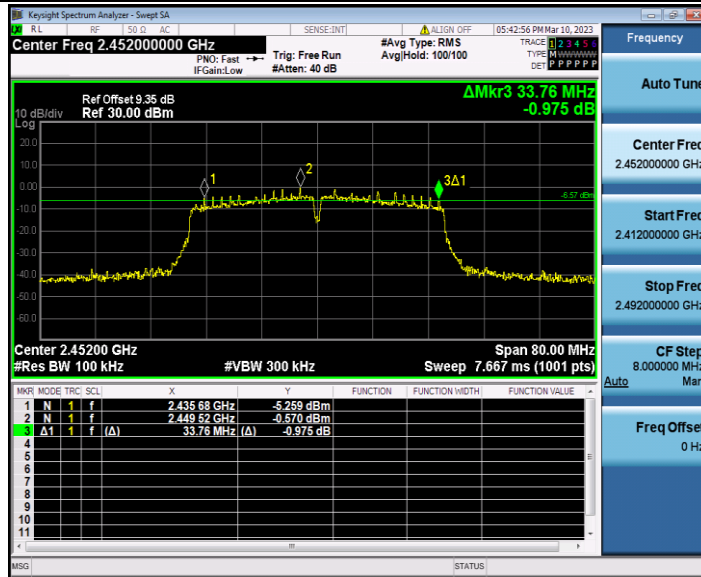
11N40SISO_Ant0_2422



11N40SISO_Ant0_2437



11N40SISO_Ant0_2452

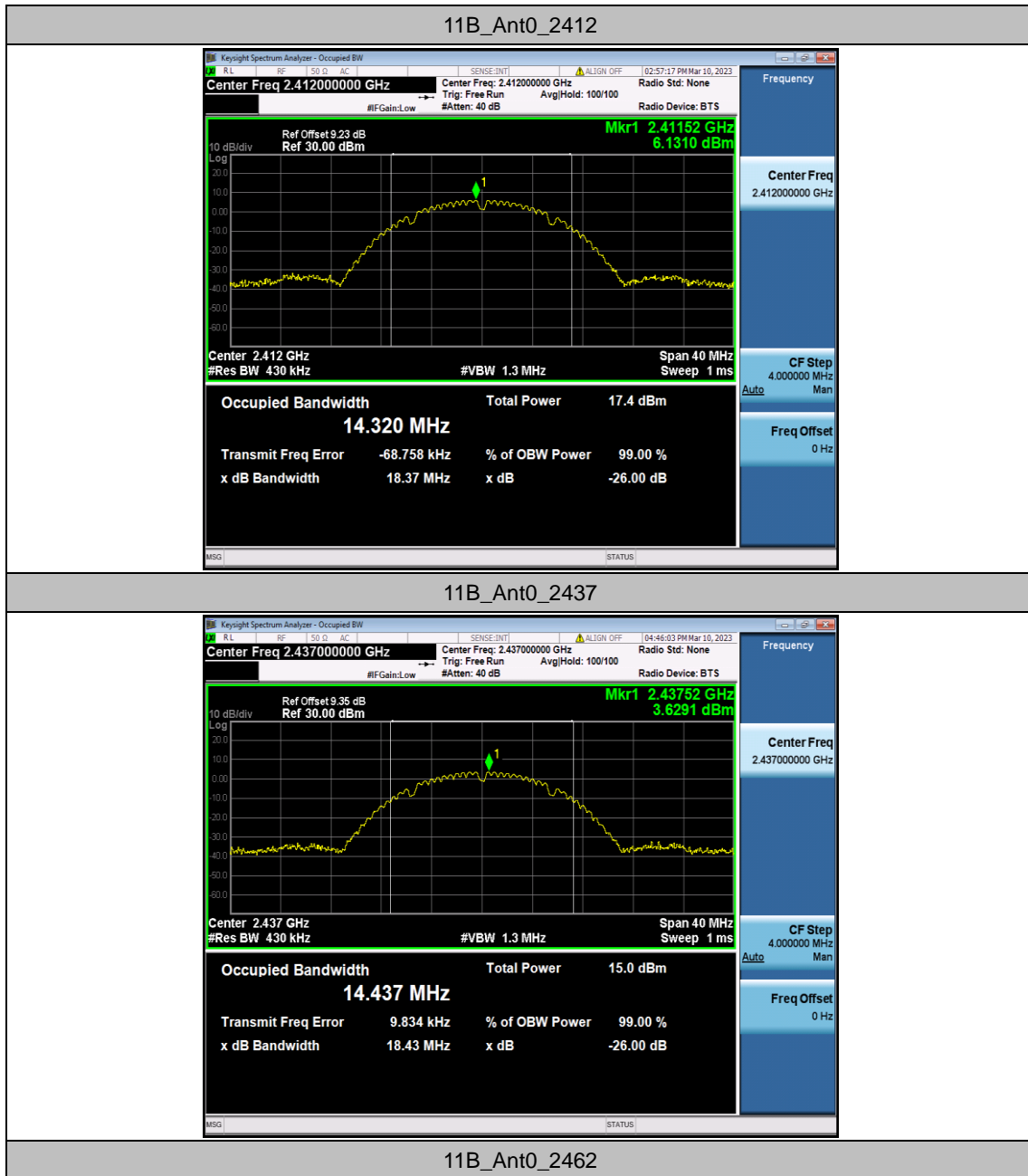


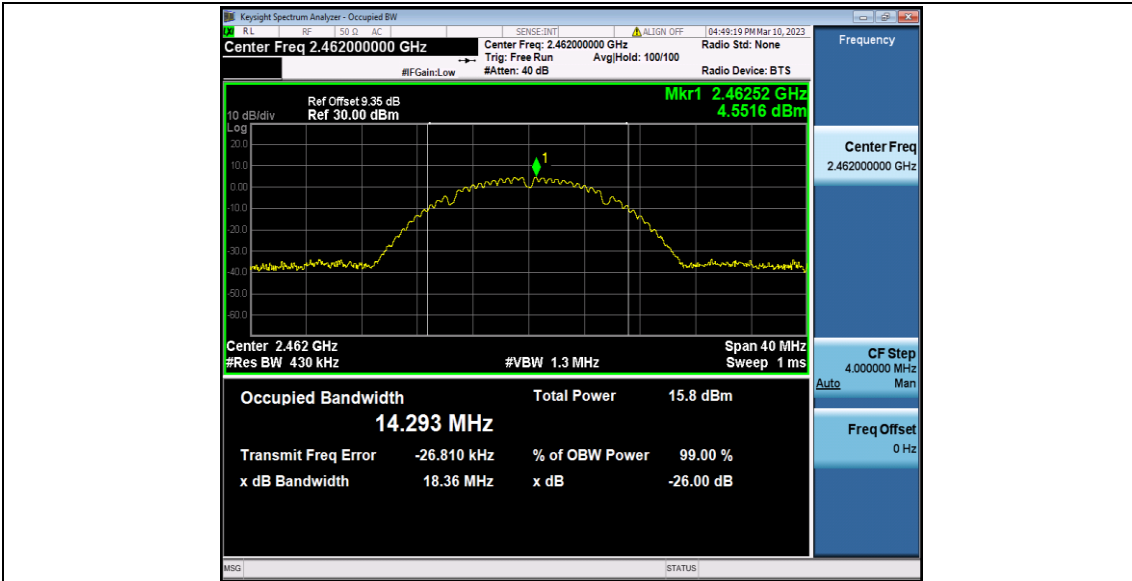
Appendix A.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant0	2412	14.320	2404.771	2419.091	---	---
		2437	14.437	2429.791	2444.228	---	---
		2462	14.293	2454.827	2469.120	---	---
11G	Ant0	2412	16.684	2403.618	2420.302	---	---
		2437	16.838	2428.522	2445.360	---	---
		2462	16.759	2453.594	2470.353	---	---
11N20SISO	Ant0	2412	17.661	2403.147	2420.808	---	---
		2437	17.800	2428.109	2445.909	---	---
		2462	17.720	2453.110	2470.830	---	---
11N40SISO	Ant0	2422	35.951	2403.955	2439.906	---	---
		2437	36.008	2418.994	2455.002	---	---
		2452	35.873	2434.092	2469.965	---	---

Test Graphs





11G_Ant0_2412



11G_Ant0_2437



11G_Ant0_2462



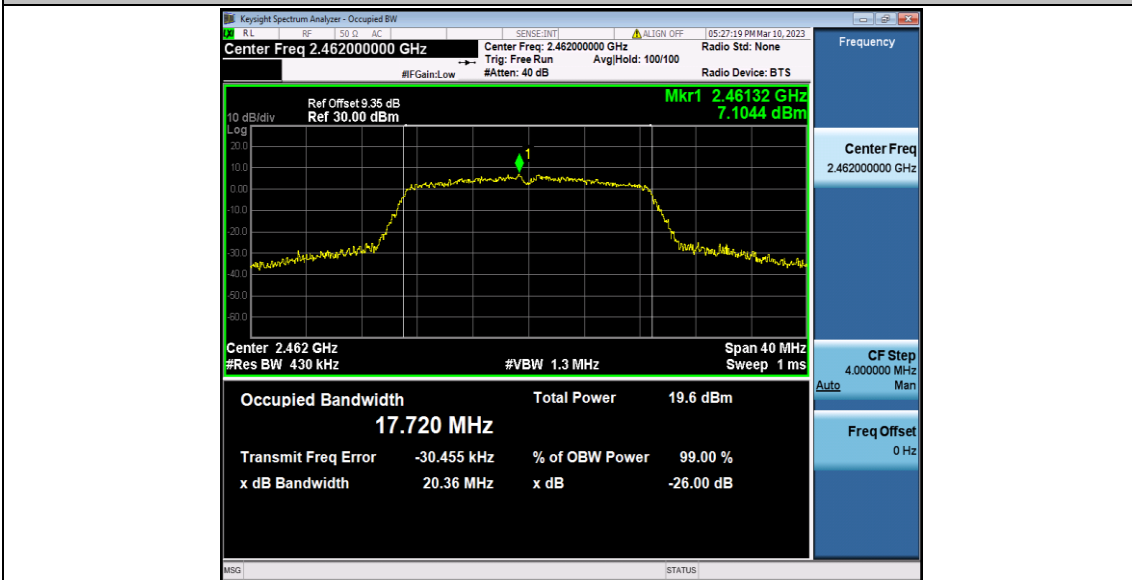
11N20SISO_Ant0_2412



11N20SISO_Ant0_2437



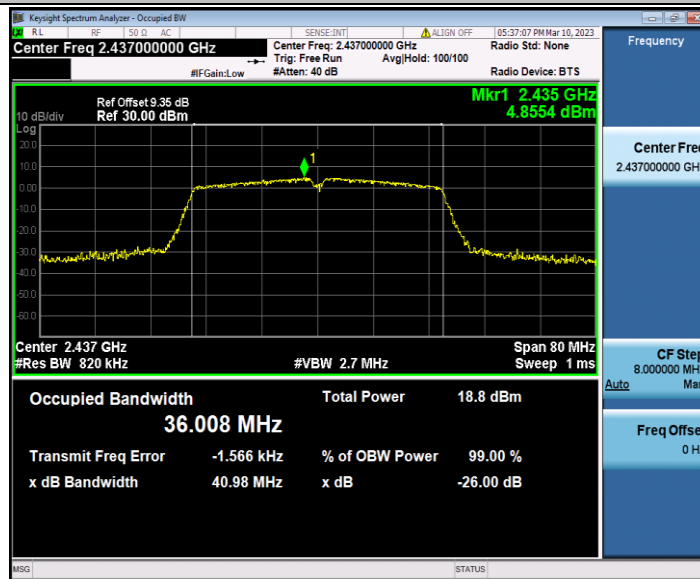
11N20SISO_Ant0_2462



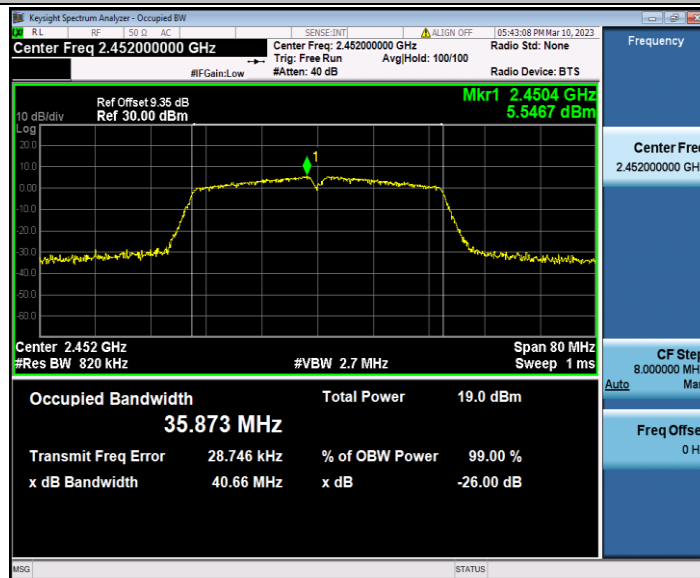
11N40SISO_Ant0_2422



11N40SISO_Ant0_2437



11N40SISO_Ant0_2452



Appendix A.3: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant0	2412	18.47	≤30.00	PASS
		2437	17.02	≤30.00	PASS
		2462	17.86	≤30.00	PASS
11G	Ant0	2412	19.07	≤30.00	PASS
		2437	19.03	≤30.00	PASS
		2462	19.82	≤30.00	PASS
11N20SISO	Ant0	2412	20.13	≤30.00	PASS
		2437	19.95	≤30.00	PASS
		2462	20.79	≤30.00	PASS
11N40SISO	Ant0	2422	20.96	≤30.00	PASS
		2437	19.11	≤30.00	PASS
		2452	19.39	≤30.00	PASS

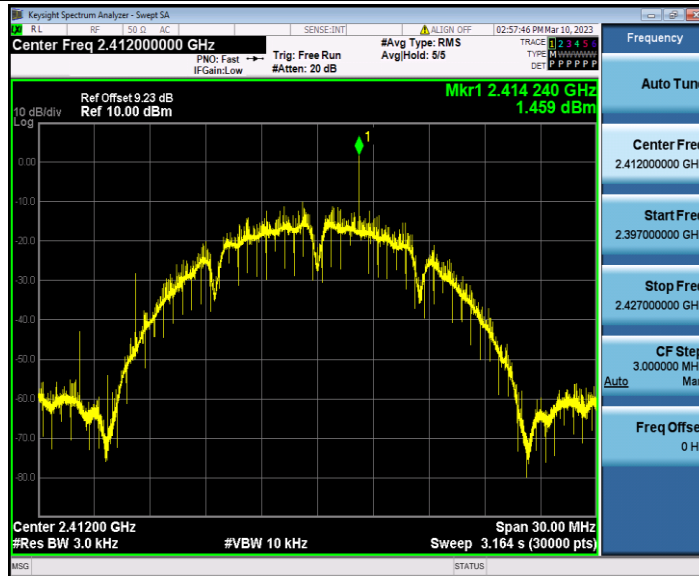
Appendix A.4: Maximum power spectral density

Test Result

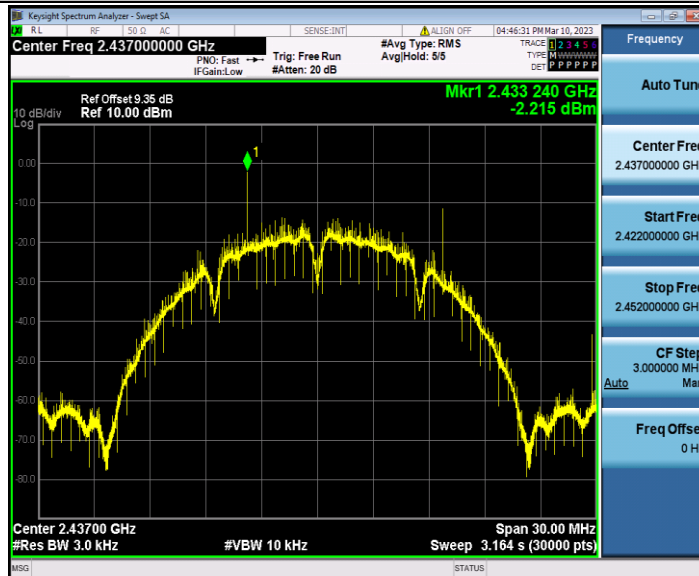
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant0	2412	1.46	≤8.00	PASS
		2437	-2.22	≤8.00	PASS
		2462	0.54	≤8.00	PASS
11G	Ant0	2412	-14.17	≤8.00	PASS
		2437	-14.04	≤8.00	PASS
		2462	-13.25	≤8.00	PASS
11N20SISO	Ant0	2412	-13.77	≤8.00	PASS
		2437	-13.23	≤8.00	PASS
		2462	-11.71	≤8.00	PASS
11N40SISO	Ant0	2422	-14.31	≤8.00	PASS
		2437	-17.37	≤8.00	PASS
		2452	-16.06	≤8.00	PASS

Test Graphs

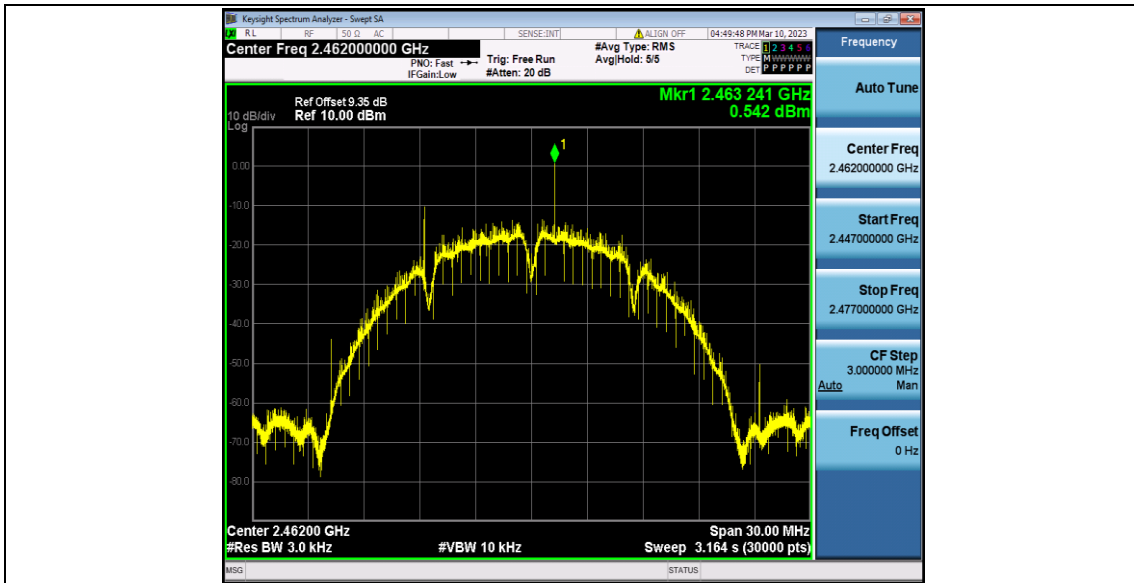
11B_Ant0_2412



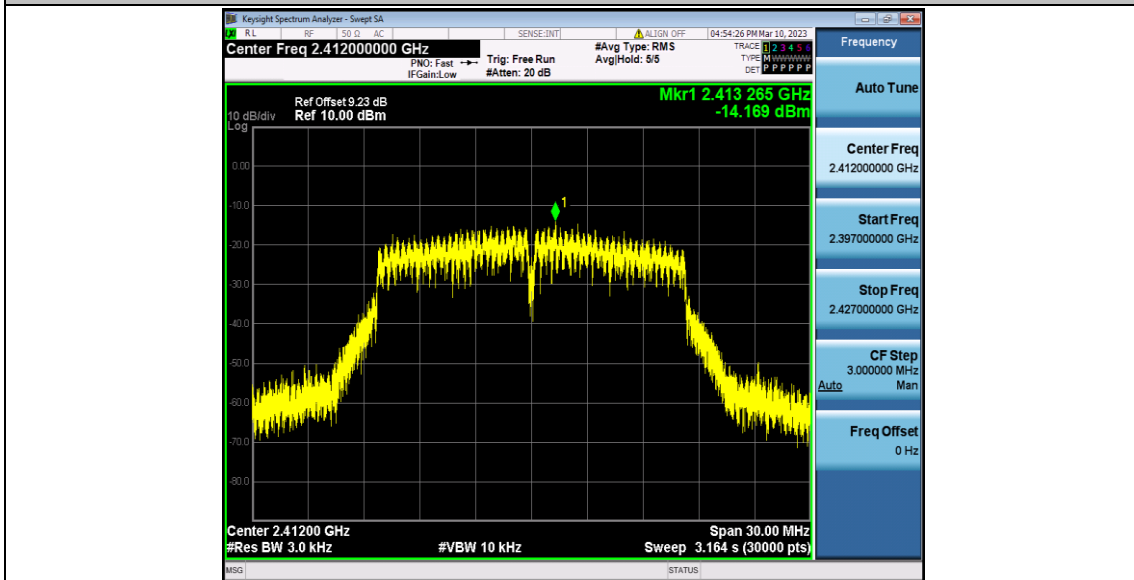
11B_Ant0_2437



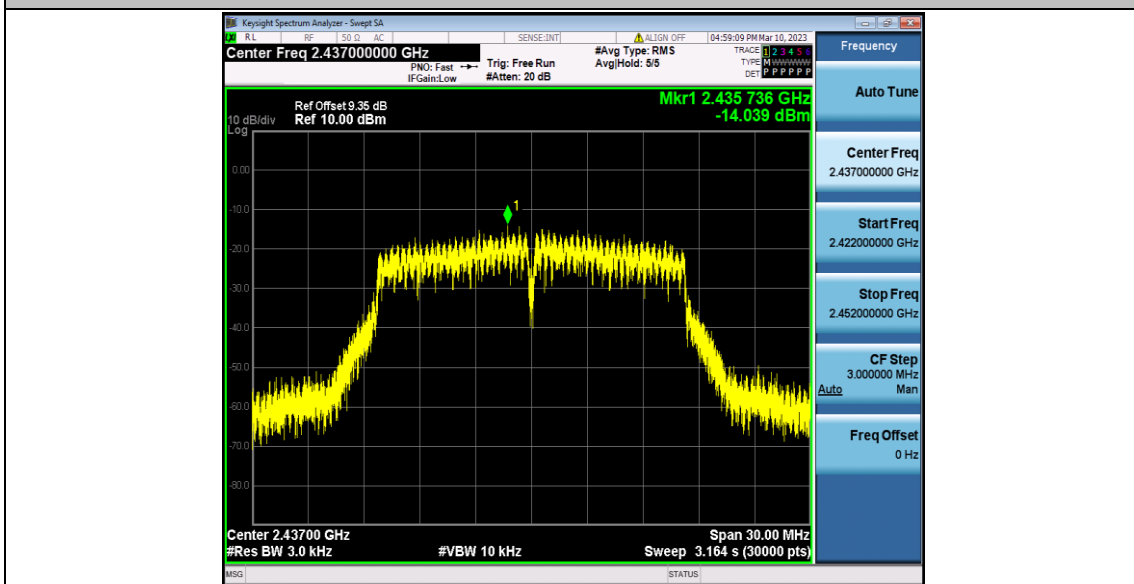
11B_Ant0_2462



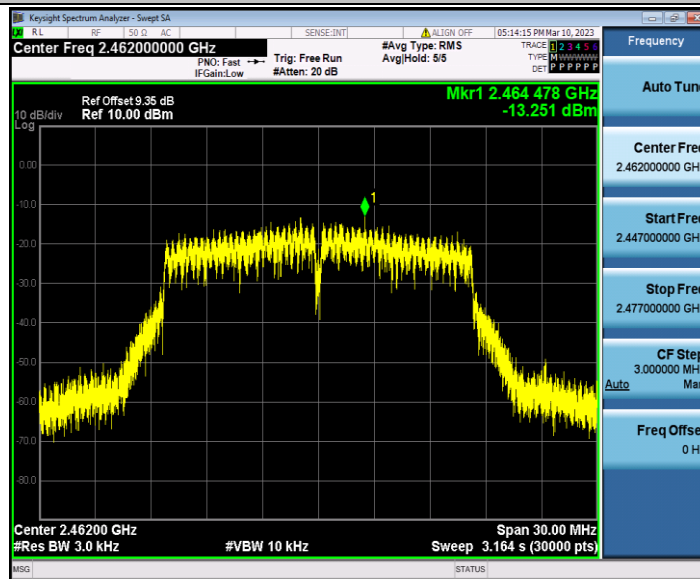
11G_Ant0_2412



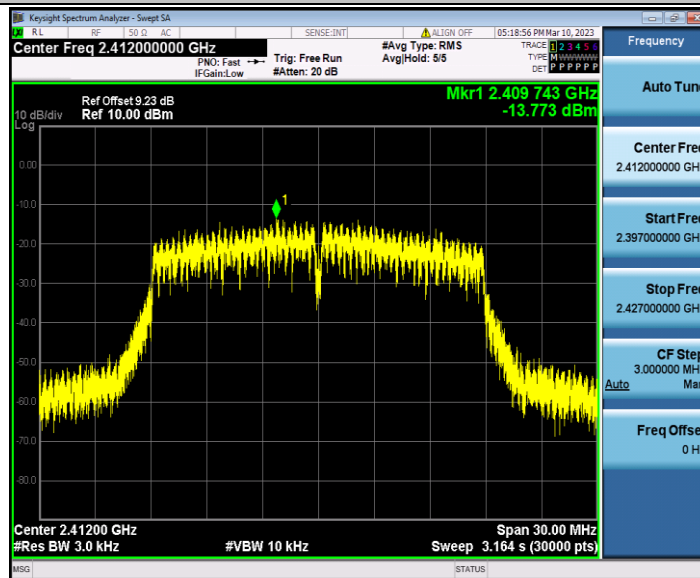
11G_Ant0_2437



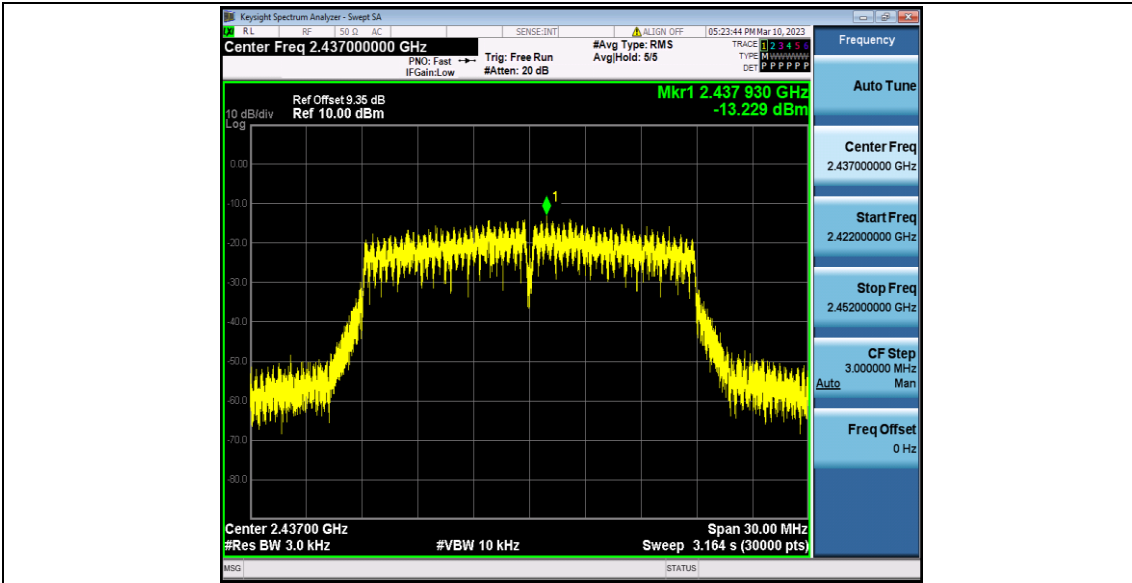
11G_Ant0_2462



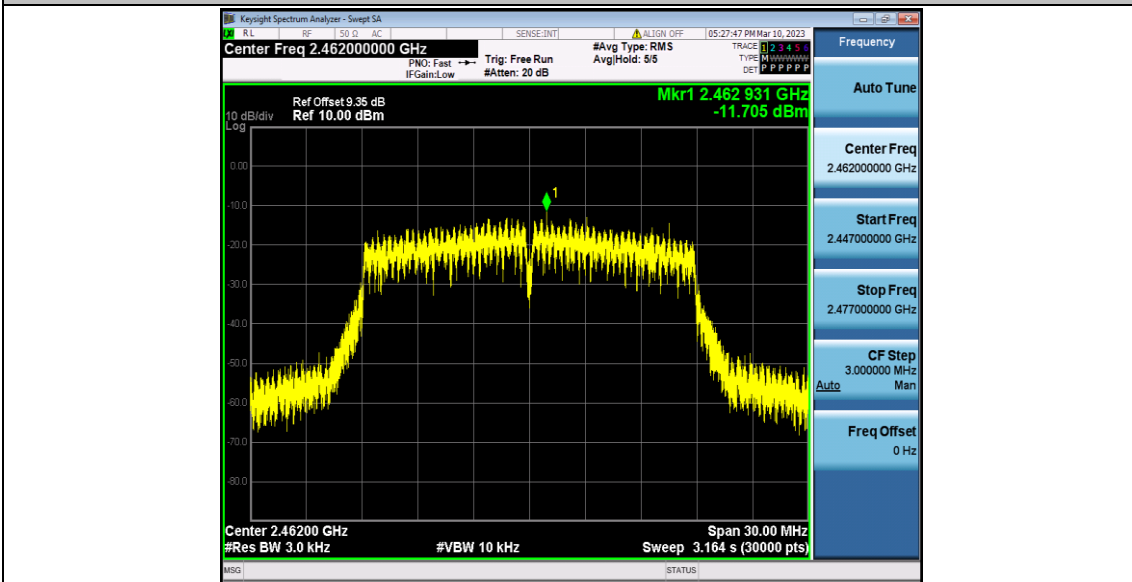
11N20SISO_Ant0_2412



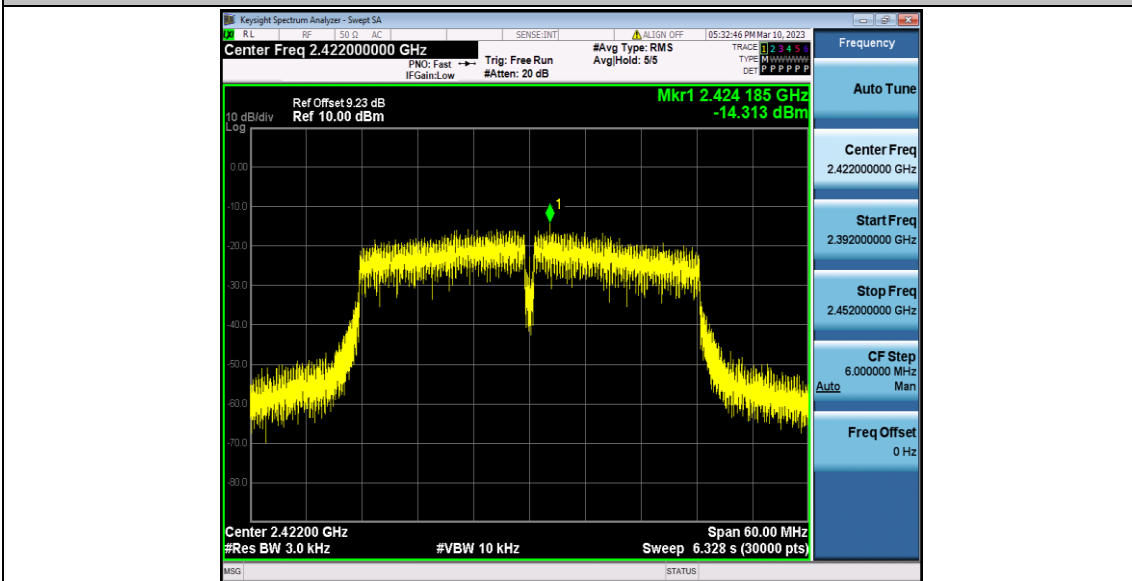
11N20SISO_Ant0_2437



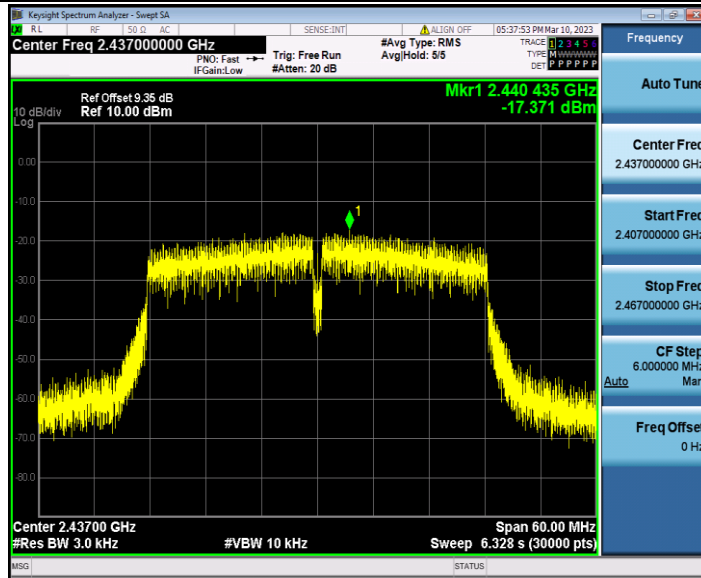
11N20SISO_Ant0_2462



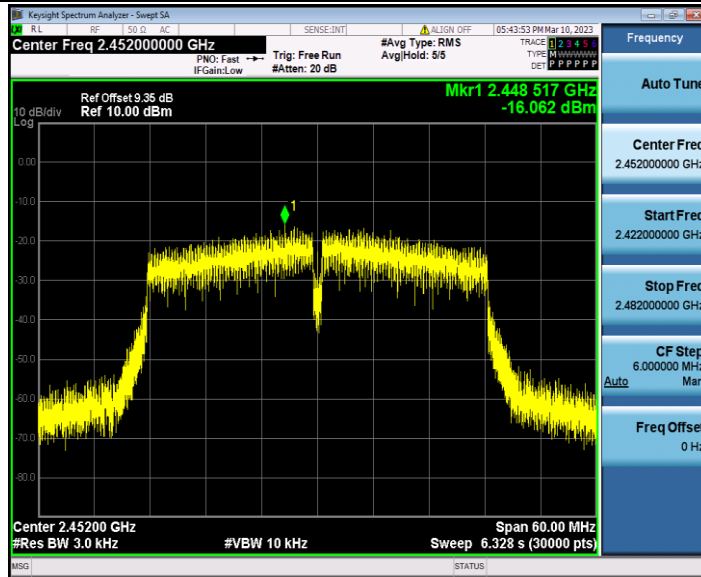
11N40SISO_Ant0_2422



11N40SISO_Ant0_2437



11N40SISO_Ant0_2452



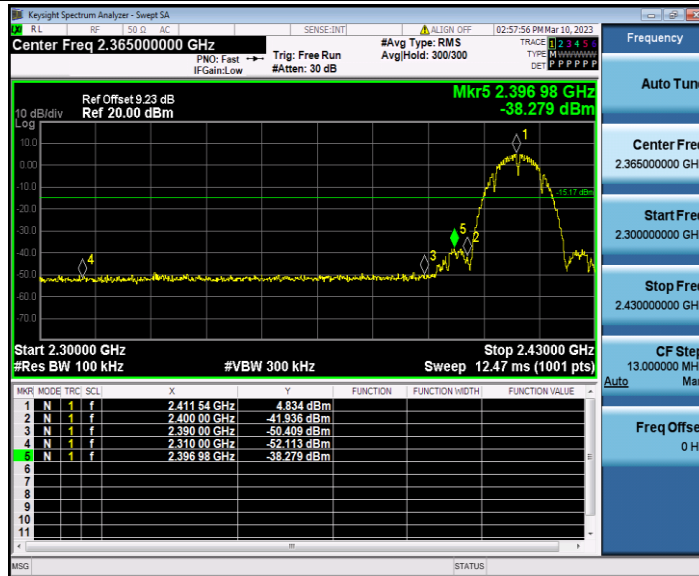
Appendix A.5: Band edge measurements

Test Result

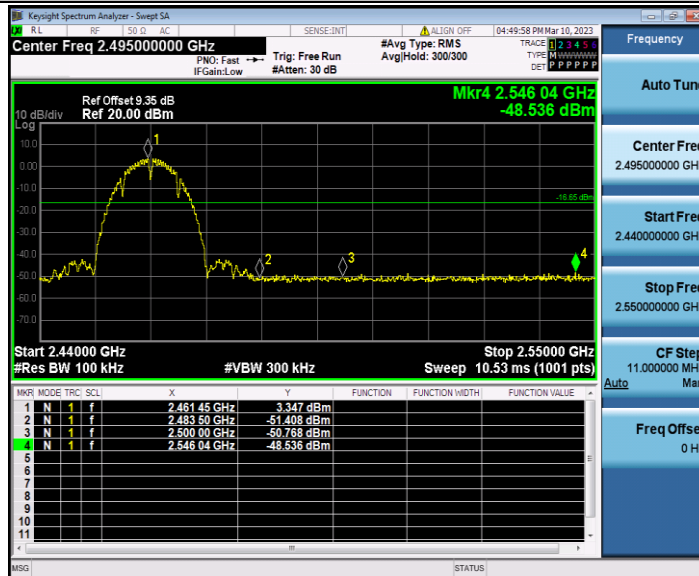
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant0	Low	2412	4.83	-38.28	≤-15.17	PASS
		High	2462	3.35	-48.54	≤-16.65	PASS
11G	Ant0	Low	2412	2.22	-34.41	≤-17.78	PASS
		High	2462	2.35	-47.58	≤-17.65	PASS
11N20SISO	Ant0	Low	2412	2.99	-32.98	≤-17.01	PASS
		High	2462	3.49	-44.23	≤-16.51	PASS
11N40SISO	Ant0	Low	2422	1.03	-33.3	≤-18.97	PASS
		High	2452	-0.25	-41.59	≤-20.25	PASS

Test Graphs

11B_Ant0_Low_2412



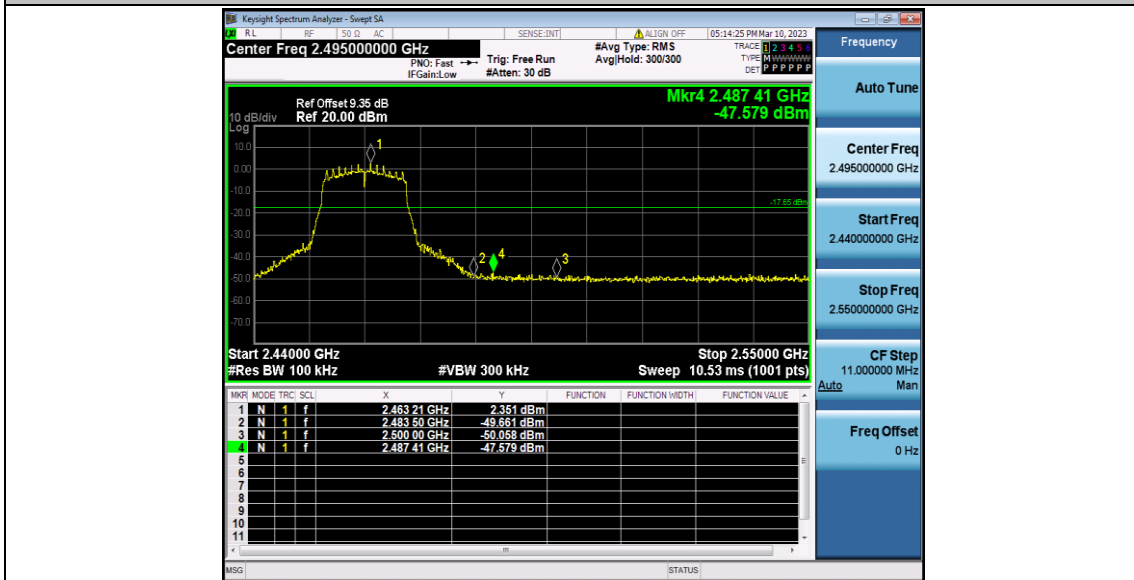
11B_Ant0_High_2462



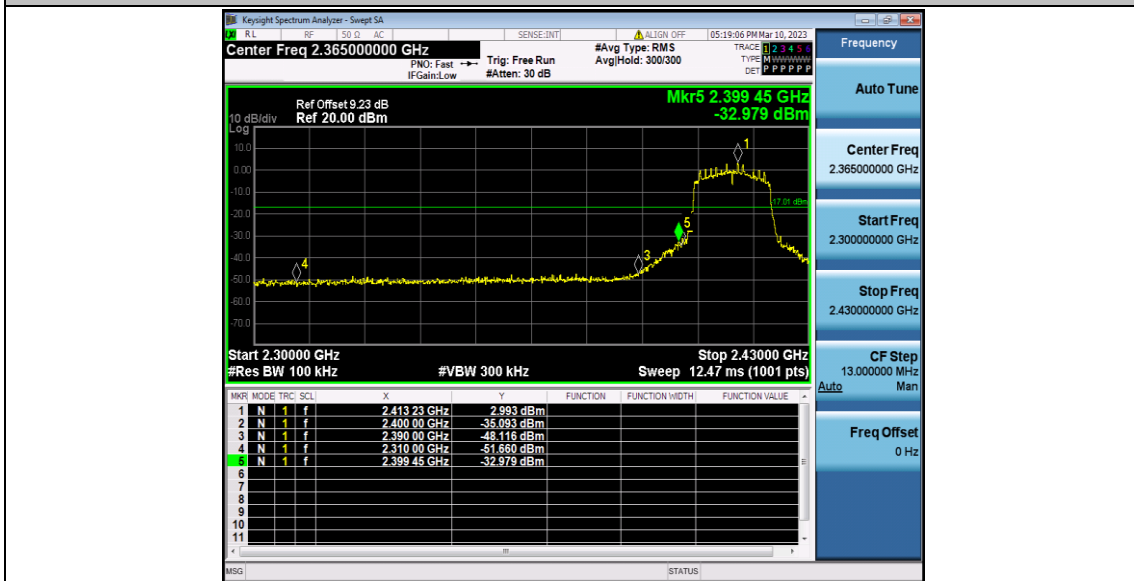
11G_Ant0_Low_2412



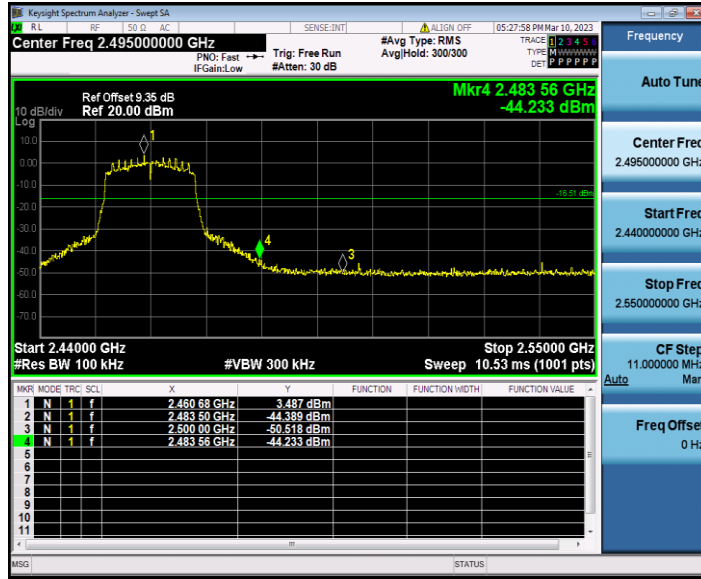
11G_Ant0_High_2462



11N20SISO_Ant0_Low_2412



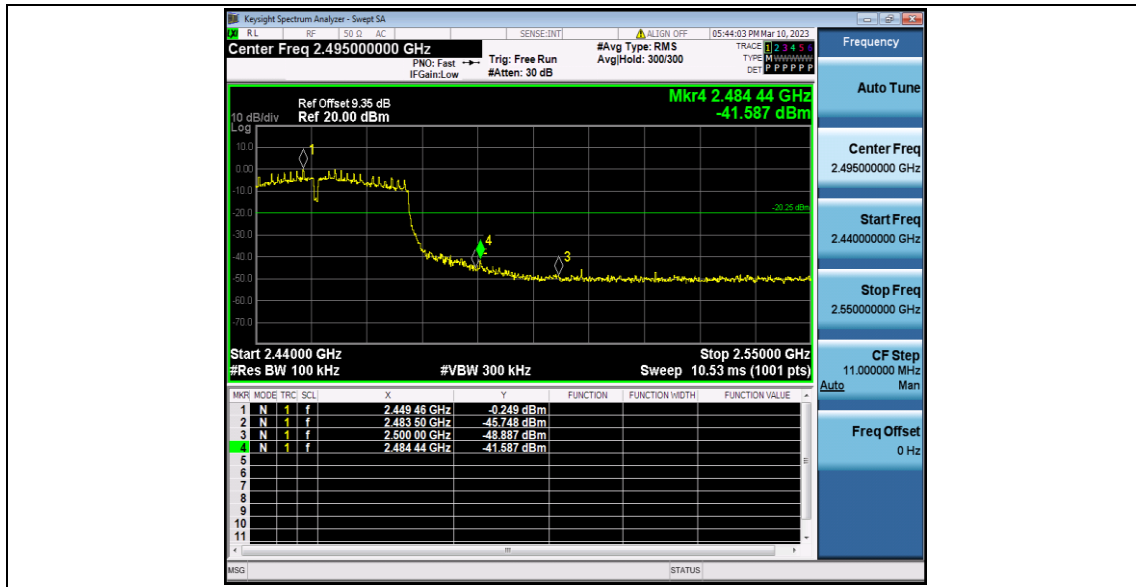
11N20SISO_Ant0_High_2462



11N40SISO_Ant0_Low_2422



11N40SISO_Ant0_High_2452



Appendix A.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant0	2412	Reference	4.48	4.48	---	PASS
			30~1000	4.48	-59.58	≤ -15.52	PASS
			1000~26500	4.48	-47.93	≤ -15.52	PASS
		2437	Reference	2.00	2.00	---	PASS
			30~1000	2.00	-59.41	≤ -18	PASS
			1000~26500	2.00	-47.16	≤ -18	PASS
		2462	Reference	2.01	2.01	---	PASS
			30~1000	2.01	-59.93	≤ -17.99	PASS
			1000~26500	2.01	-47	≤ -17.99	PASS
11G	Ant0	2412	Reference	-1.88	-1.88	---	PASS
			30~1000	-1.88	-55.77	≤ -21.88	PASS
			1000~26500	-1.88	-47.98	≤ -21.88	PASS
		2437	Reference	0.58	0.58	---	PASS
			30~1000	0.58	-54.87	≤ -19.42	PASS
			1000~26500	0.58	-47.21	≤ -19.42	PASS
		2462	Reference	2.68	2.68	---	PASS
			30~1000	2.68	-55.06	≤ -17.32	PASS
			1000~26500	2.68	-47.82	≤ -17.32	PASS
11N20SISO	Ant0	2412	Reference	-0.53	-0.53	---	PASS
			30~1000	-0.53	-55.24	≤ -20.53	PASS
			1000~26500	-0.53	-47.41	≤ -20.53	PASS
		2437	Reference	-0.91	-0.91	---	PASS
			30~1000	-0.91	-46.09	≤ -20.91	PASS
			1000~26500	-0.91	-47.42	≤ -20.91	PASS
		2462	Reference	-0.02	-0.02	---	PASS
			30~1000	-0.02	-54.16	≤ -20.02	PASS
			1000~26500	-0.02	-47.44	≤ -20.02	PASS
11N40SISO	Ant0	2422	Reference	0.79	0.79	---	PASS
			30~1000	0.79	-53.6	≤ -19.21	PASS
			1000~26500	0.79	-47.17	≤ -19.21	PASS
		2437	Reference	-0.99	-0.99	---	PASS
			30~1000	-0.99	-53.59	≤ -20.99	PASS
			1000~26500	-0.99	-47.55	≤ -20.99	PASS
		2452	Reference	-3.05	-3.05	---	PASS
			30~1000	-3.05	-53.45	≤ -23.05	PASS
			1000~26500	-3.05	-46.96	≤ -23.05	PASS