

Case No. : <u>CTA24091800102</u>	
Ambient Condition: <u>23</u> °C, <u>52</u> %RH,	
Test Date: <u>2024.9.4</u>	Test Engineer: <u>Eric Wang</u>

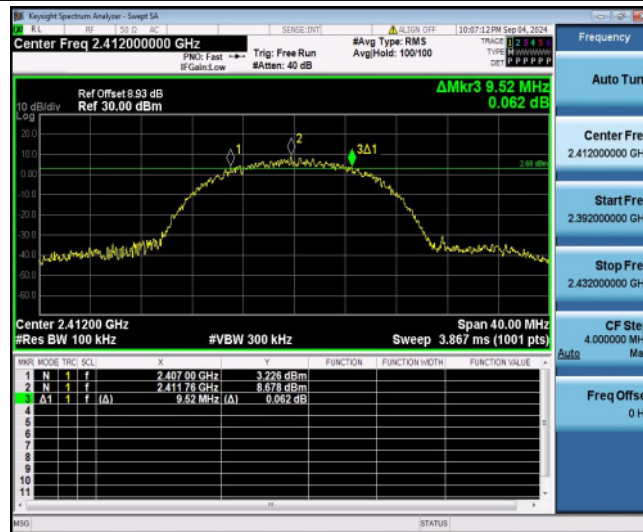
Appendix B.1: DTS Bandwidth

Test Result

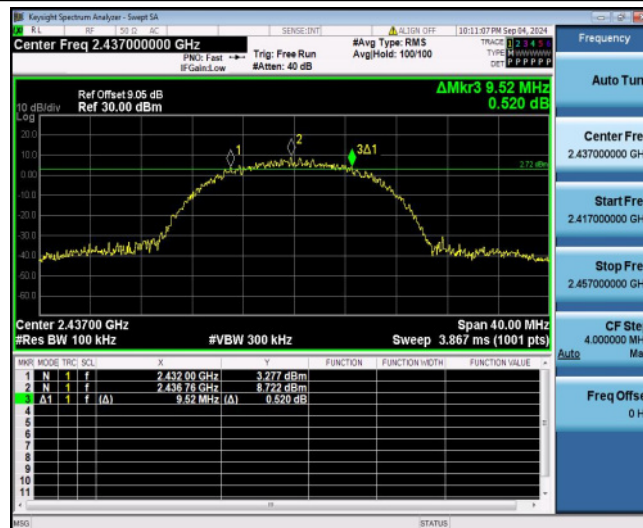
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.520	2407.000	2416.520	0.5	PASS
		2437	9.520	2432.000	2441.520	0.5	PASS
		2462	9.480	2457.000	2466.480	0.5	PASS
11G	Ant1	2412	16.360	2403.840	2420.200	0.5	PASS
		2437	16.360	2428.840	2445.200	0.5	PASS
		2462	16.360	2453.840	2470.200	0.5	PASS
11N20SISO	Ant1	2412	17.720	2403.120	2420.840	0.5	PASS
		2437	19.000	2427.480	2446.480	0.5	PASS
		2462	18.960	2452.480	2471.440	0.5	PASS
11AX20SISO	Ant1	2412	19.000	2402.480	2421.480	0.5	PASS
		2437	19.000	2427.480	2446.480	0.5	PASS
		2462	18.920	2452.480	2471.400	0.5	PASS

Test Graphs

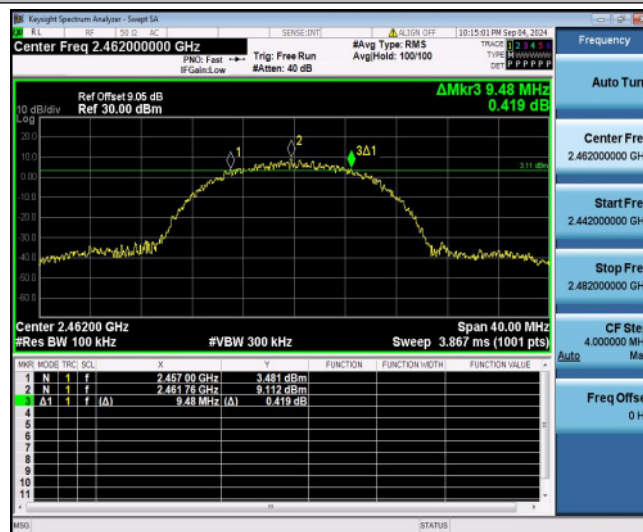
11B_Ant1_2412



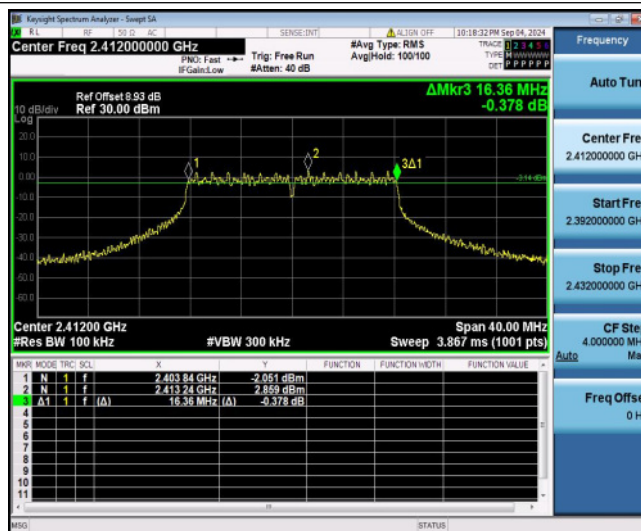
11B_Ant1_2437



11B_Ant1_2462



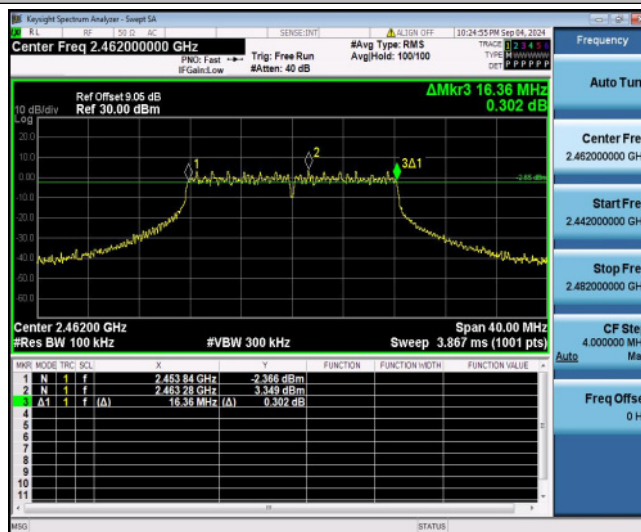
11G_Ant1_2412



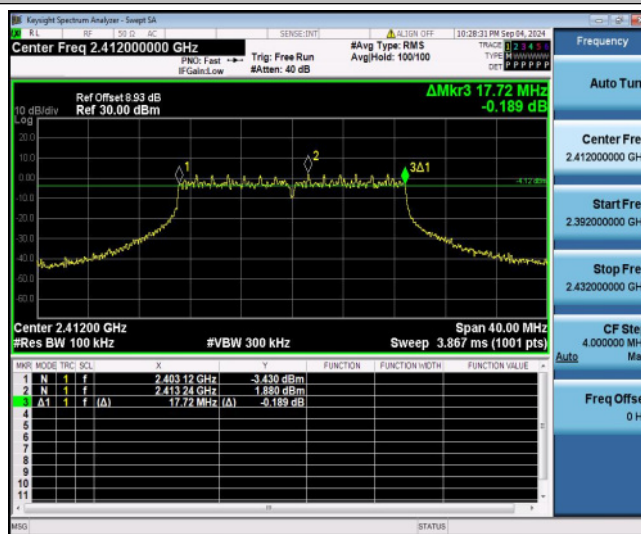
11G_Ant1_2437



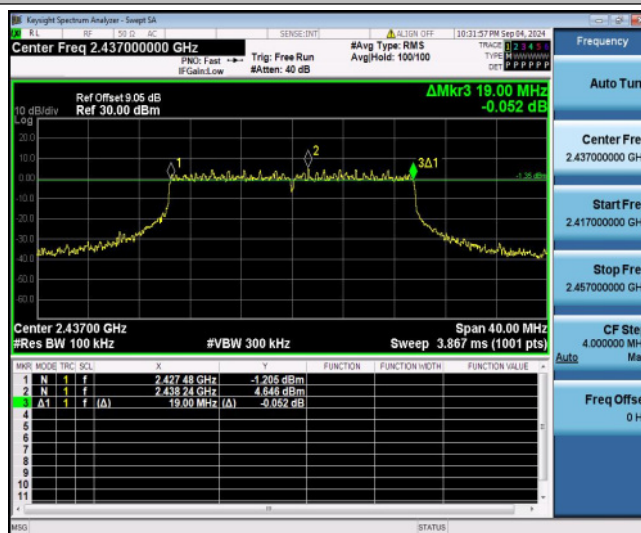
11G_Ant1_2462



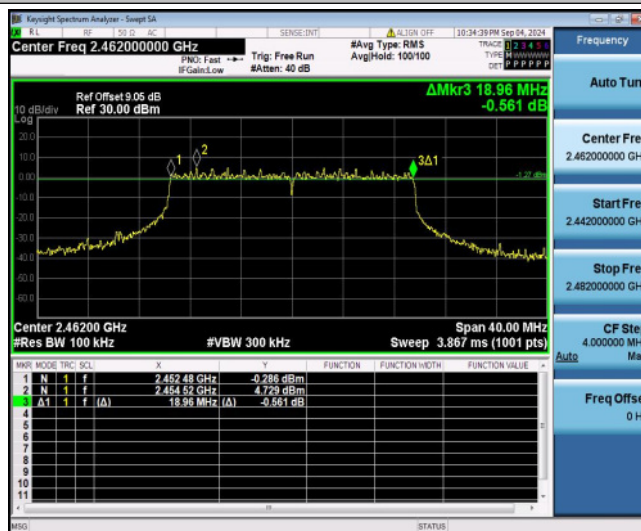
11N20SISO_Ant1_2412



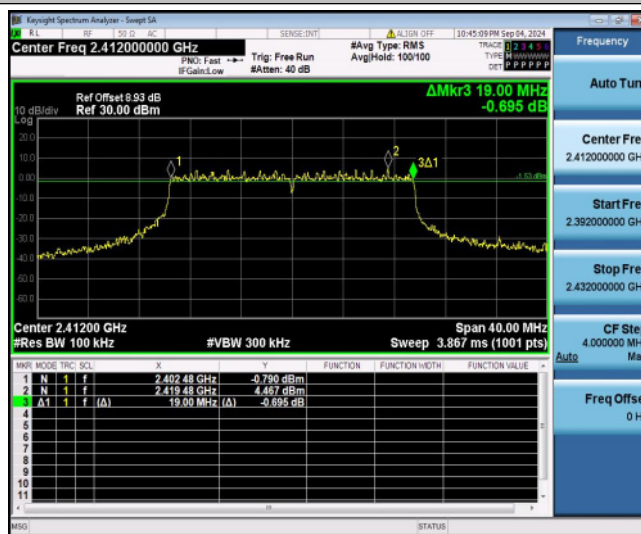
11N20SISO_Ant1_2437



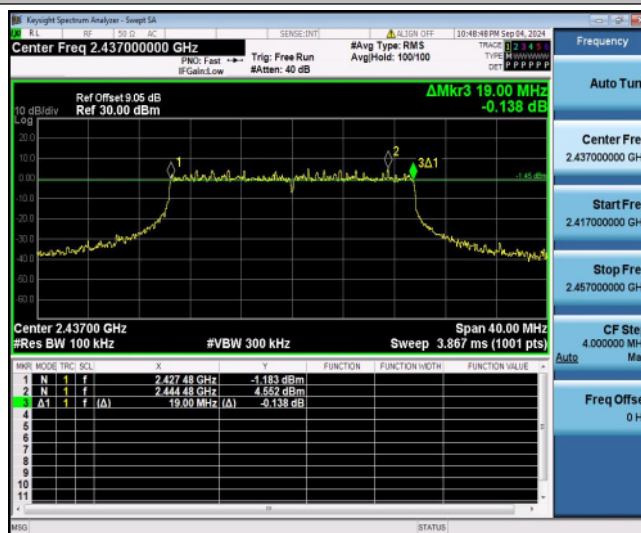
11N20SISO_Ant1_2462



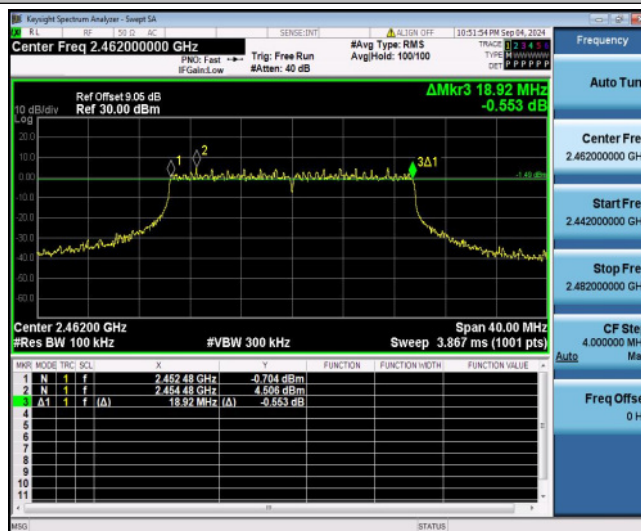
11AX20SISO_Ant1_2412



11AX20SISO_Ant1_2437



11AX20SISO_Ant1_2462



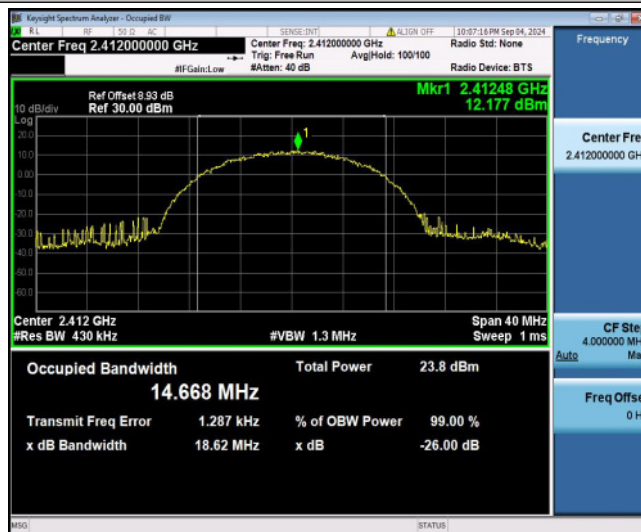
Appendix B.2: Occupied Channel Bandwidth

Test Result

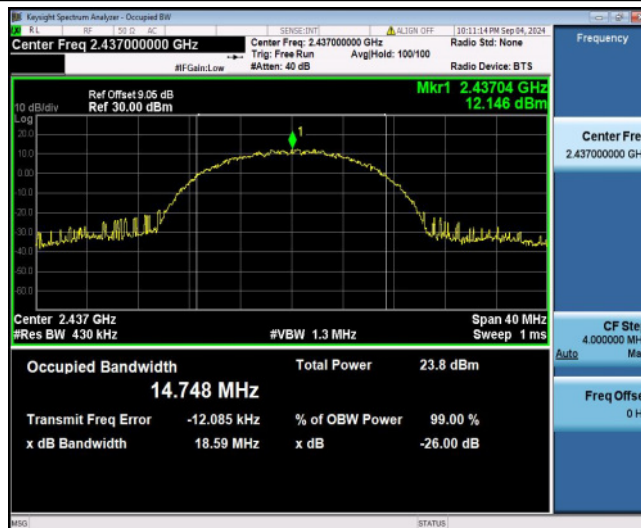
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.668	2404.6673	2419.3353	---	---
		2437	14.748	2429.6139	2444.3619	---	---
		2462	14.711	2454.5977	2469.3087	---	---
11G	Ant1	2412	16.984	2403.4324	2420.4164	---	---
		2437	16.958	2428.4723	2445.4303	---	---
		2462	16.941	2453.4517	2470.3927	---	---
11N20SISO	Ant1	2412	18.159	2402.8636	2421.0226	---	---
		2437	19.200	2427.3725	2446.5725	---	---
		2462	19.183	2452.3675	2471.5505	---	---
11AX20SISO	Ant1	2412	19.189	2402.3902	2421.5792	---	---
		2437	19.197	2427.3726	2446.5696	---	---
		2462	19.197	2452.3647	2471.5617	---	---

Test Graphs

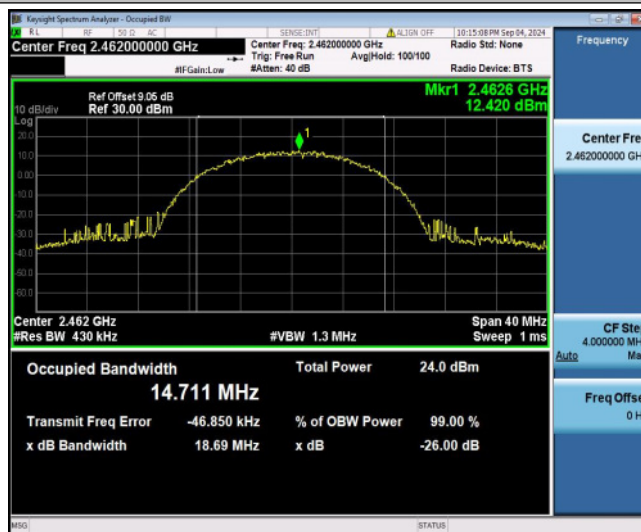
11B_Ant1_2412



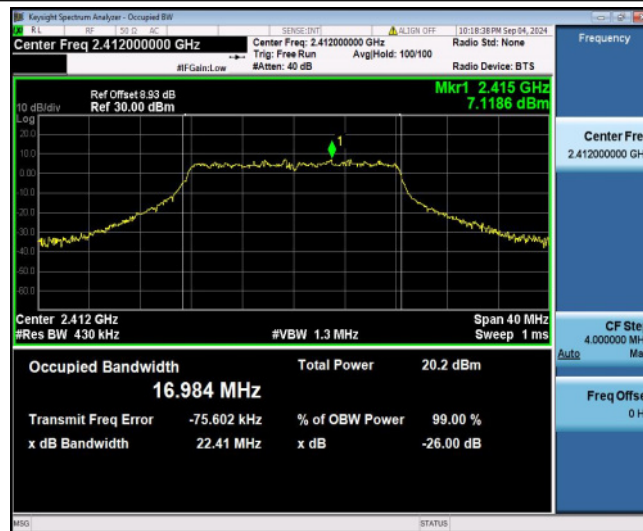
11B_Ant1_2437



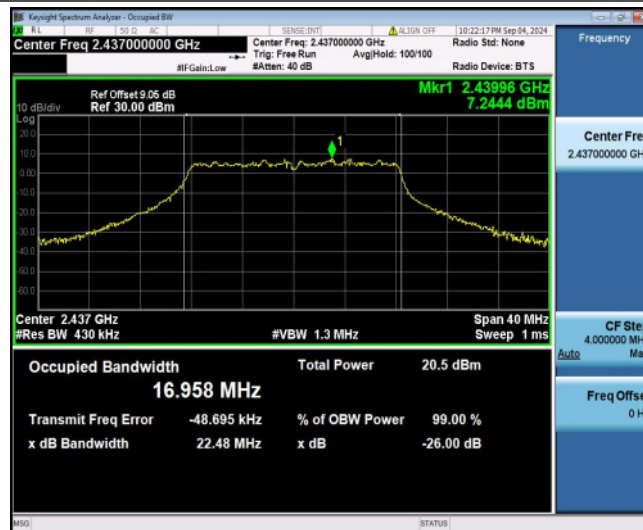
11B_Ant1_2462



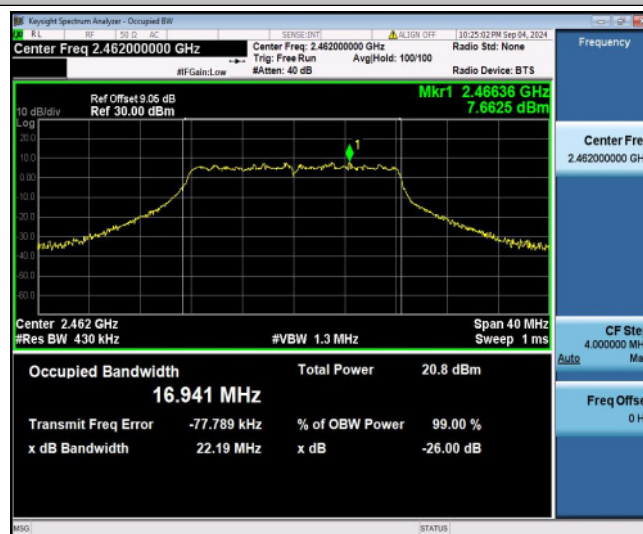
11G_Ant1_2412



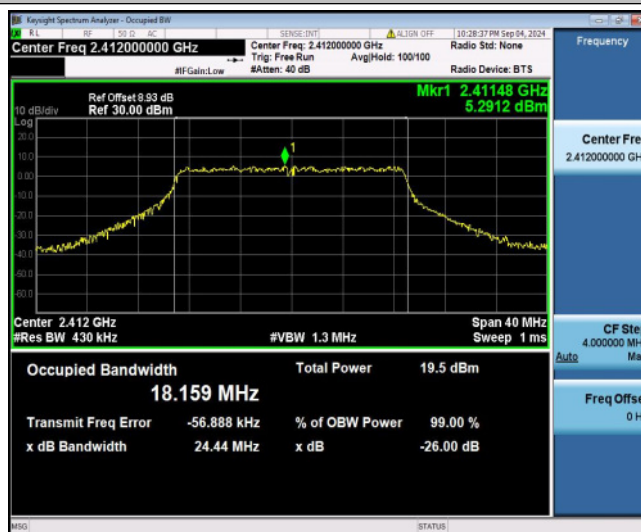
11G_Ant1_2437



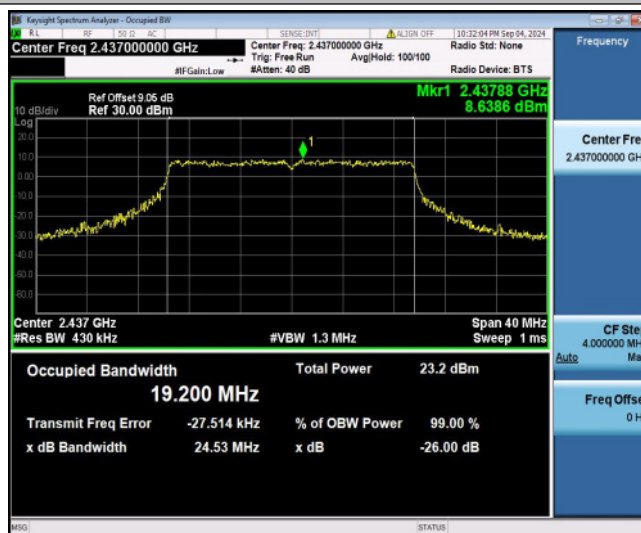
11G_Ant1_2462



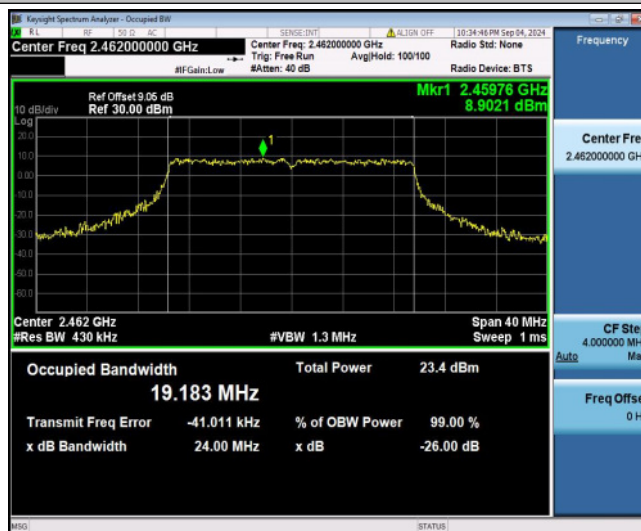
11N20SISO_Ant1_2412



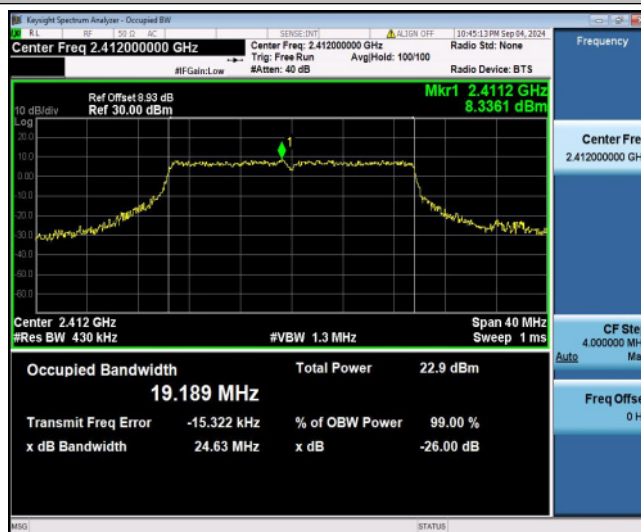
11N20SISO_Ant1_2437



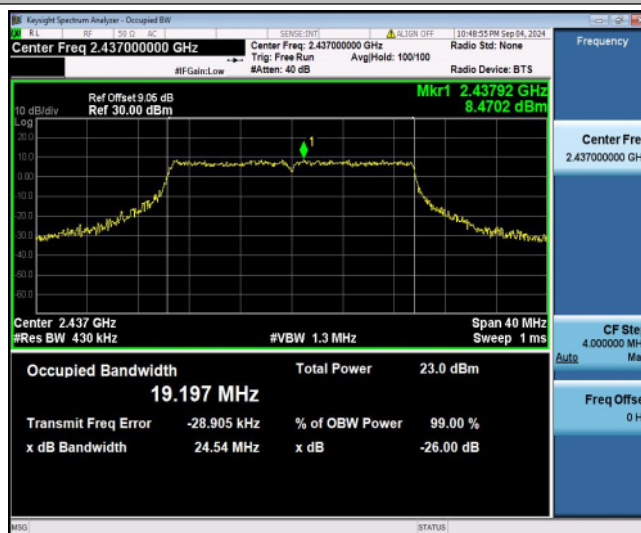
11N20SISO_Ant1_2462



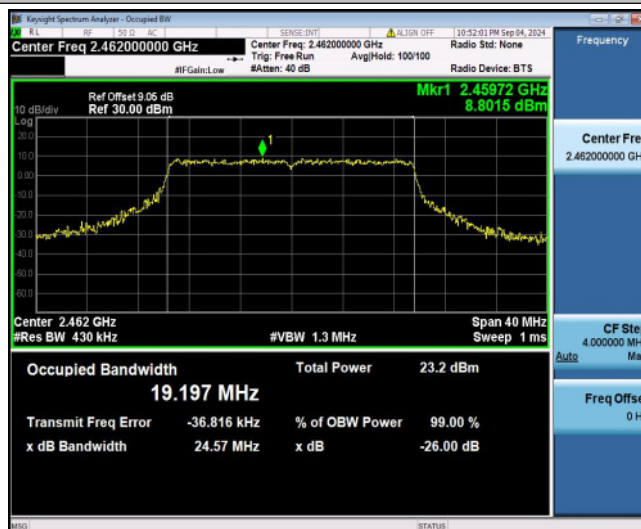
11AX20SISO_Ant1_2412



11AX20SISO_Ant1_2437



11AX20SISO_Ant1_2462



Appendix B.3: Maximum conducted output power

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	23.18	≤30.00	PASS
		2437	23.23	≤30.00	PASS
		2462	23.57	≤30.00	PASS
11G	Ant1	2412	21.31	≤30.00	PASS
		2437	21.49	≤30.00	PASS
		2462	21.73	≤30.00	PASS
11N20SISO	Ant1	2412	20.19	≤30.00	PASS
		2437	23.98	≤30.00	PASS
		2462	24.12	≤30.00	PASS
11AX20SISO	Ant1	2412	23.65	≤30.00	PASS
		2437	23.72	≤30.00	PASS
		2462	23.98	≤30.00	PASS

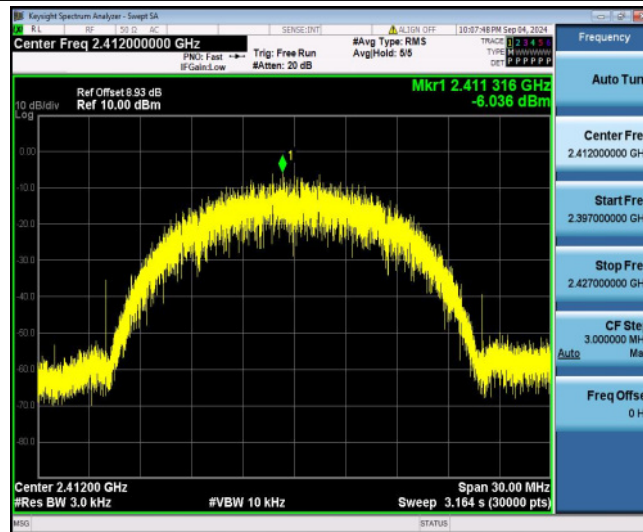
Appendix B.4: Maximum power spectral density

Test Result

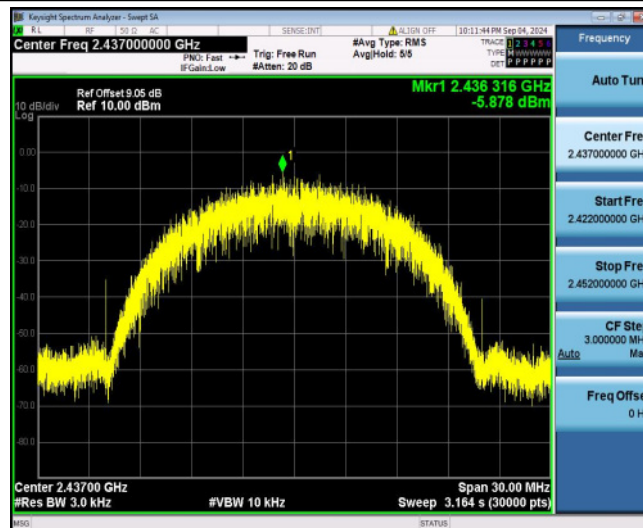
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-6.04	≤8.00	PASS
		2437	-5.88	≤8.00	PASS
		2462	-5.59	≤8.00	PASS
11G	Ant1	2412	-11.35	≤8.00	PASS
		2437	-10.35	≤8.00	PASS
		2462	-10.71	≤8.00	PASS
11N20SISO	Ant1	2412	-12.28	≤8.00	PASS
		2437	-9.70	≤8.00	PASS
		2462	-10.22	≤8.00	PASS
11AX20SISO	Ant1	2412	-9.84	≤8.00	PASS
		2437	-10.71	≤8.00	PASS
		2462	-10.38	≤8.00	PASS

Test Graphs

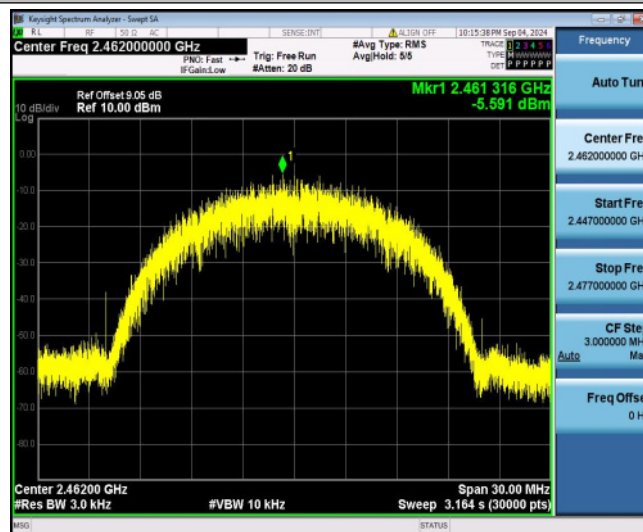
11B_Ant1_2412



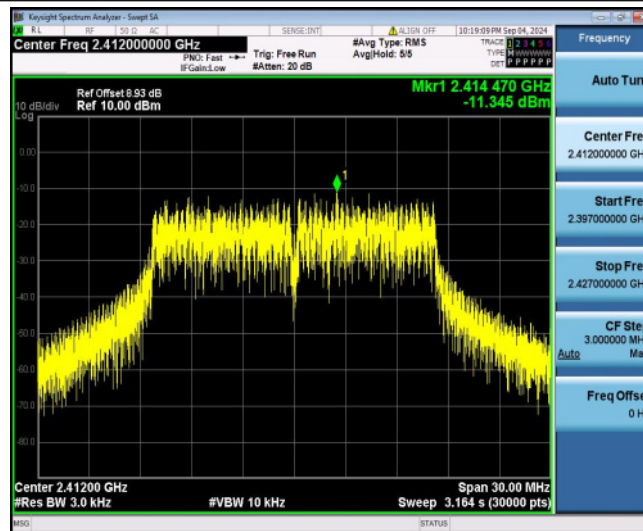
11B_Ant1_2437



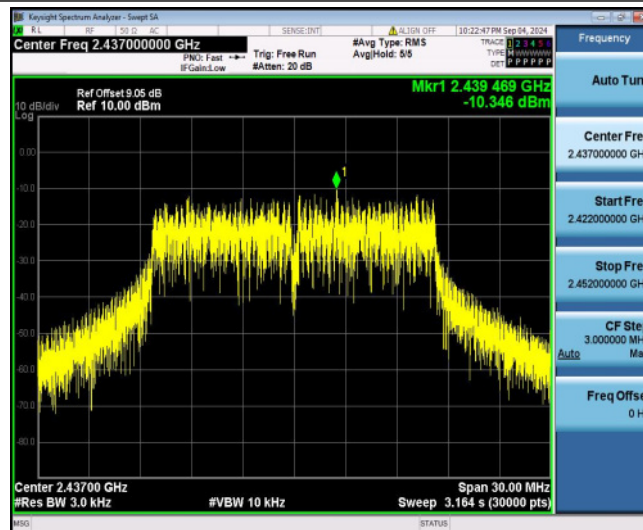
11B_Ant1_2462



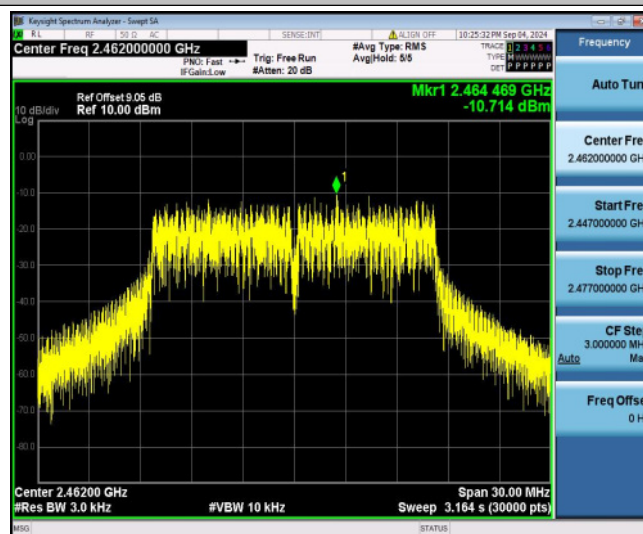
11G_Ant1_2412



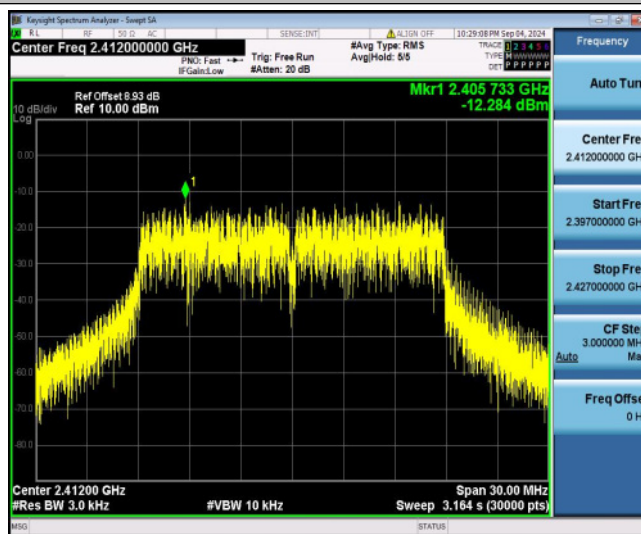
11G_Ant1_2437



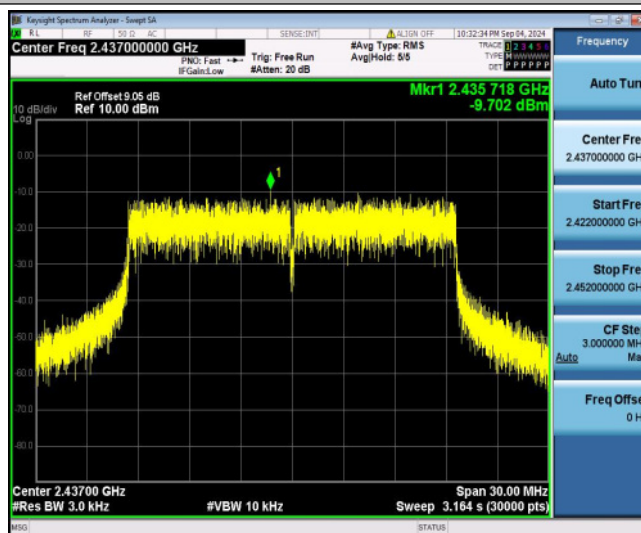
11G_Ant1_2462



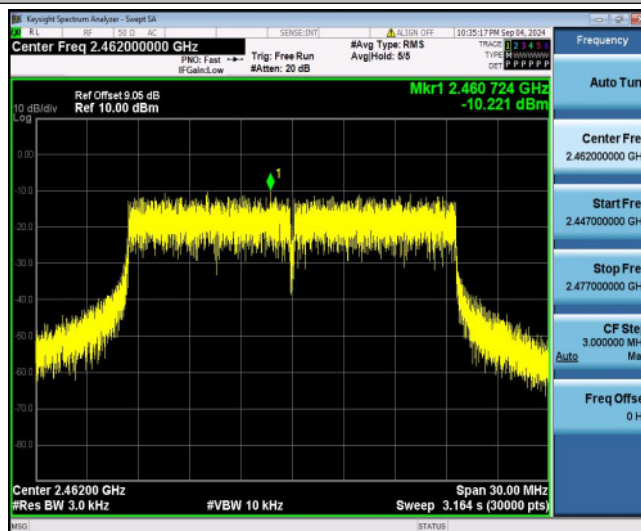
11N20SISO_Ant1_2412



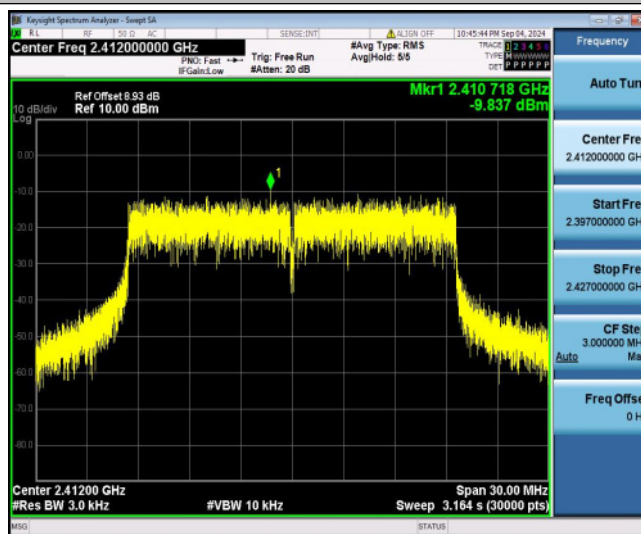
11N20SISO_Ant1_2437



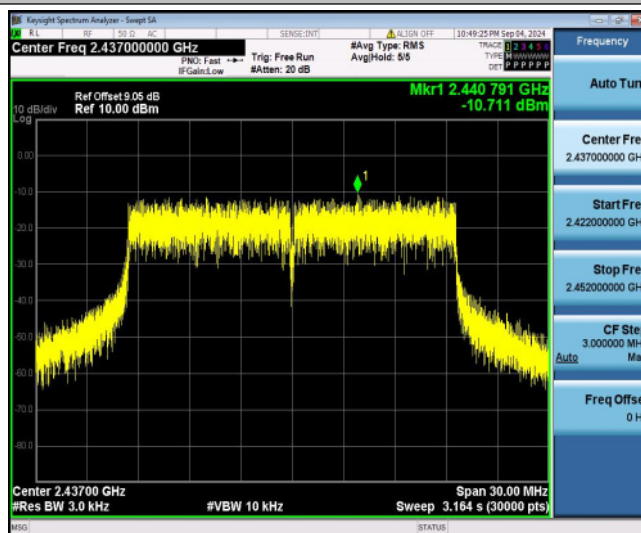
11N20SISO_Ant1_2462



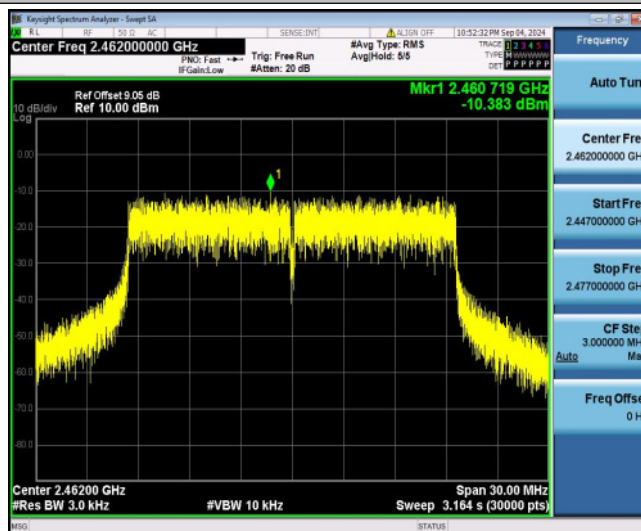
11AX20SISO_Ant1_2412



11AX20SISO_Ant1_2437



11AX20SISO_Ant1_2462



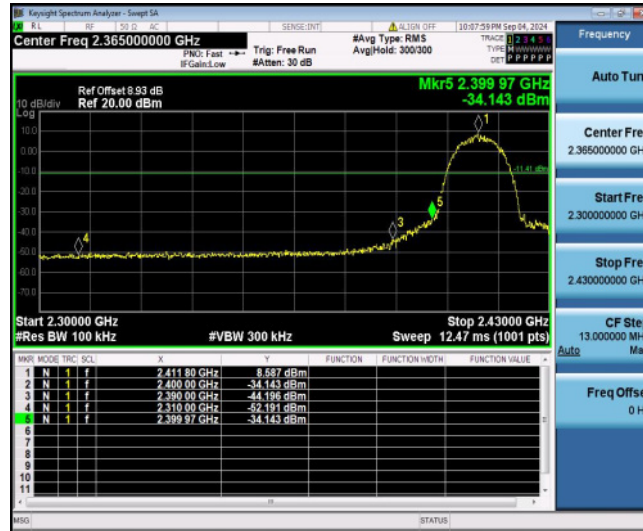
Appendix B.5: Band edge measurements

Test Result

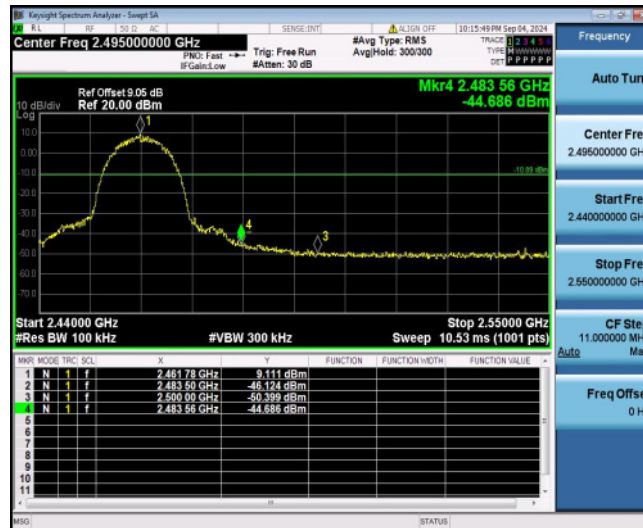
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	8.59	-34.14	≤ -11.41	PASS
		High	2462	9.11	-44.69	≤ -10.89	PASS
11G	Ant1	Low	2412	2.81	-28.89	≤ -17.19	PASS
		High	2462	3.39	-43.43	≤ -16.61	PASS
11N20SISO	Ant1	Low	2412	1.90	-30.23	≤ -18.1	PASS
		High	2462	4.94	-40.69	≤ -15.06	PASS
11AX20SISO	Ant1	Low	2412	4.37	-25.93	≤ -15.63	PASS
		High	2462	4.74	-41.16	≤ -15.26	PASS

Test Graphs

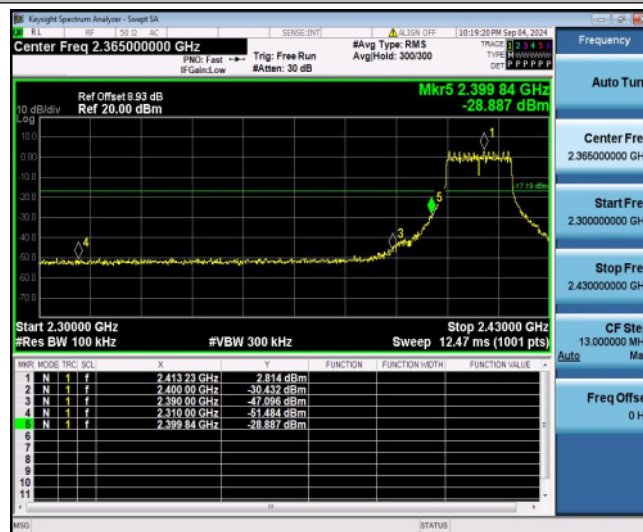
11B_Ant1_Low_2412



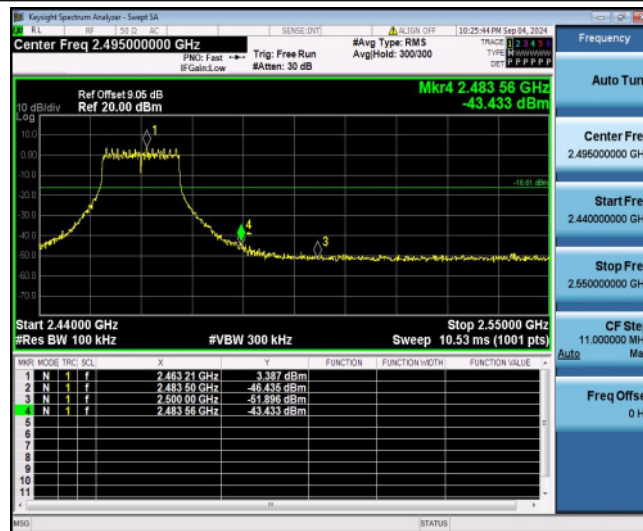
11B_Ant1_High_2462



11G_Ant1_Low_2412



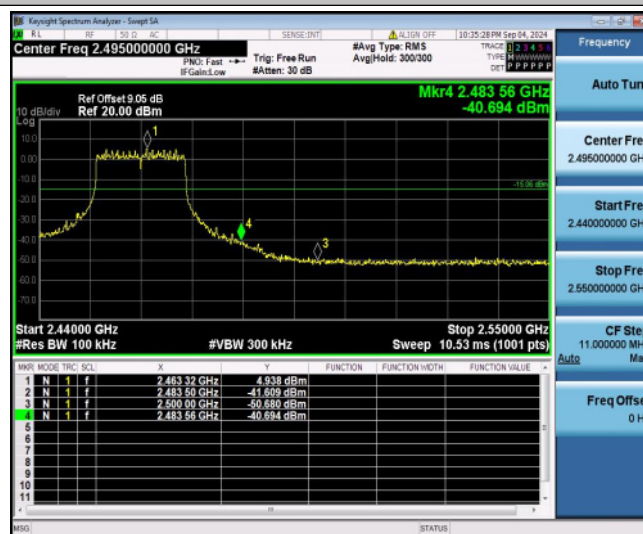
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



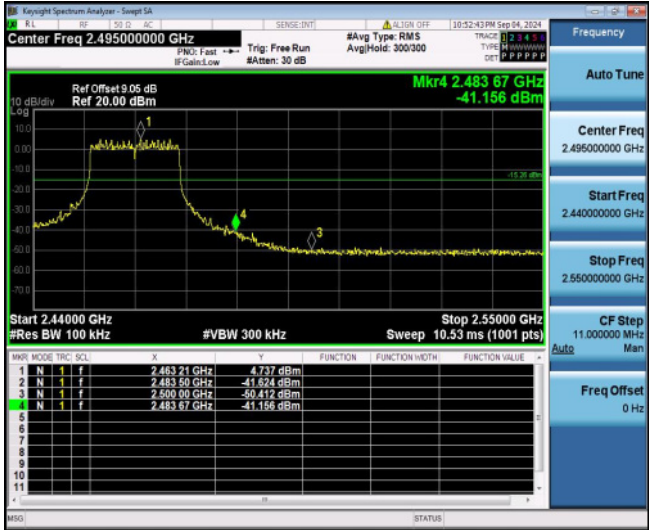
11N20SISO_Ant1_High_2462



11AX20SISO_Ant1_Low_2412



11AX20SISO_Ant1_High_2462



Appendix B.6: Conducted Spurious Emission

Test Result

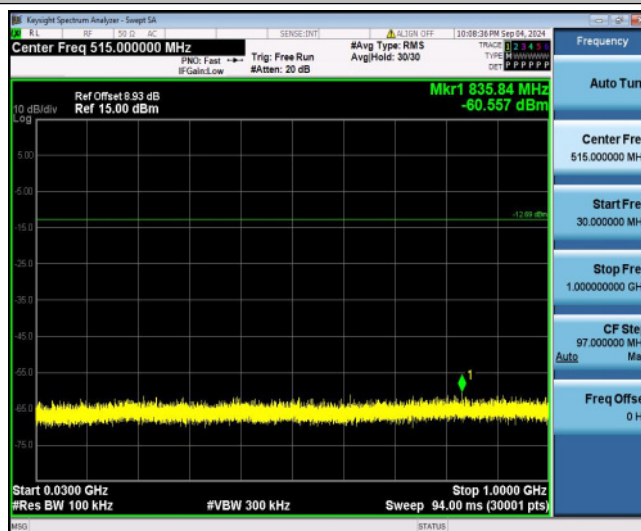
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	7.31	7.31	---	PASS
			30~1000	7.31	-60.56	≤ -12.69	PASS
			1000~26500	7.31	-41.08	≤ -12.69	PASS
		2437	Reference	8.41	8.41	---	PASS
			30~1000	8.41	-60.4	≤ -11.59	PASS
			1000~26500	8.41	-37.93	≤ -11.59	PASS
		2462	Reference	8.29	8.29	---	PASS
			30~1000	8.29	-60.87	≤ -11.71	PASS
			1000~26500	8.29	-38.15	≤ -11.71	PASS
11G	Ant1	2412	Reference	2.31	2.31	---	PASS
			30~1000	2.31	-60.46	≤ -17.69	PASS
			1000~26500	2.31	-45.45	≤ -17.69	PASS
		2437	Reference	2.51	2.51	---	PASS
			30~1000	2.51	-60.55	≤ -17.49	PASS
			1000~26500	2.51	-44.89	≤ -17.49	PASS
		2462	Reference	2.96	2.96	---	PASS
			30~1000	2.96	-60.58	≤ -17.04	PASS
			1000~26500	2.96	-44.83	≤ -17.04	PASS
11N20SISO	Ant1	2412	Reference	1.20	1.20	---	PASS
			30~1000	1.20	-60.26	≤ -18.8	PASS
			1000~26500	1.20	-45.47	≤ -18.8	PASS
		2437	Reference	3.89	3.89	---	PASS
			30~1000	3.89	-60.02	≤ -16.11	PASS
			1000~26500	3.89	-45.44	≤ -16.11	PASS
		2462	Reference	3.39	3.39	---	PASS
			30~1000	3.39	-44.21	≤ -16.61	PASS
			1000~26500	3.39	-45.24	≤ -16.61	PASS
11AX20SISO	Ant1	2412	Reference	3.59	3.59	---	PASS
			30~1000	3.59	-60.57	≤ -16.41	PASS
			1000~26500	3.59	-46.33	≤ -16.41	PASS
		2437	Reference	3.93	3.93	---	PASS
			30~1000	3.93	-60.71	≤ -16.07	PASS
			1000~26500	3.93	-45.55	≤ -16.07	PASS
		2462	Reference	4.24	4.24	---	PASS
			30~1000	4.24	-60.64	≤ -15.76	PASS
			1000~26500	4.24	-45.5	≤ -15.76	PASS

Test Graphs

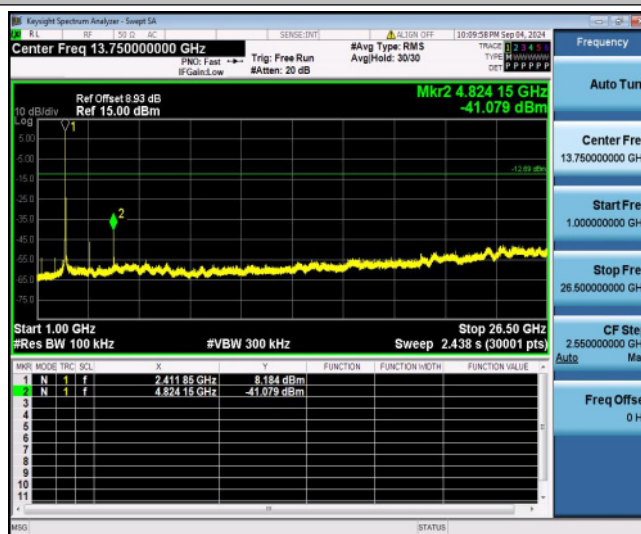
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



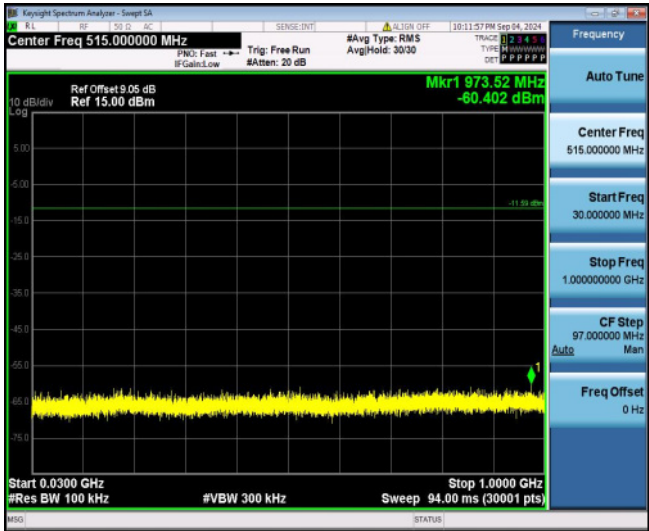
11B_Ant1_2412_1000~26500



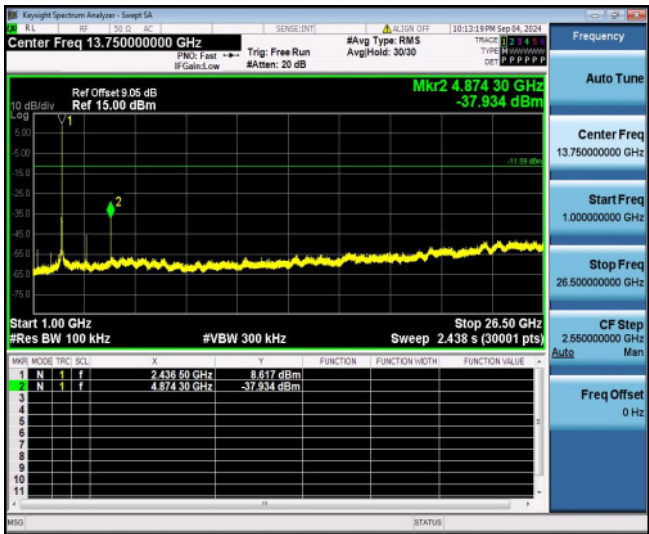
11B_Ant1_2437_0~Reference

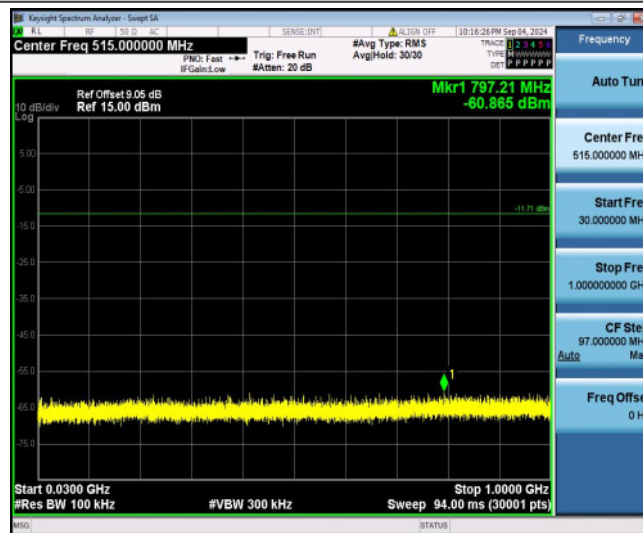


11B_Ant1_2437_30~1000



11B_Ant1_2437_1000~26500

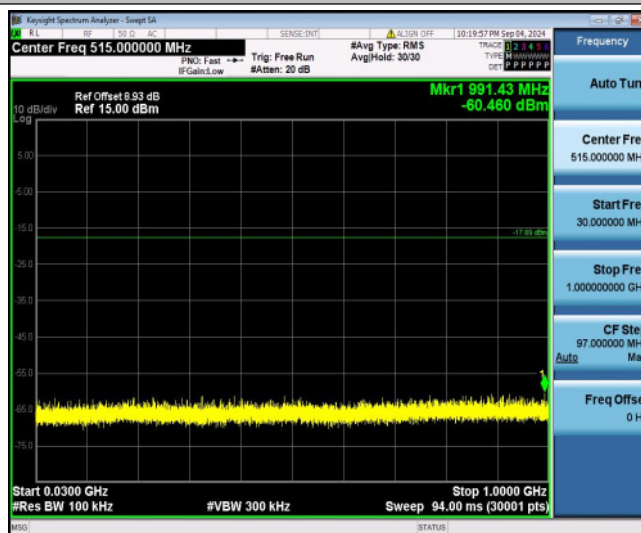




11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



11G_Ant1_2412_1000~26500

