

Case No. : <u>GTS20240806004-4-03</u>	
Ambient Condition: <u>23</u> °C, <u>52</u> %RH,	
Test Date: <u>2024.8.19</u>	Test Engineer: <u>Evan ouyang</u>

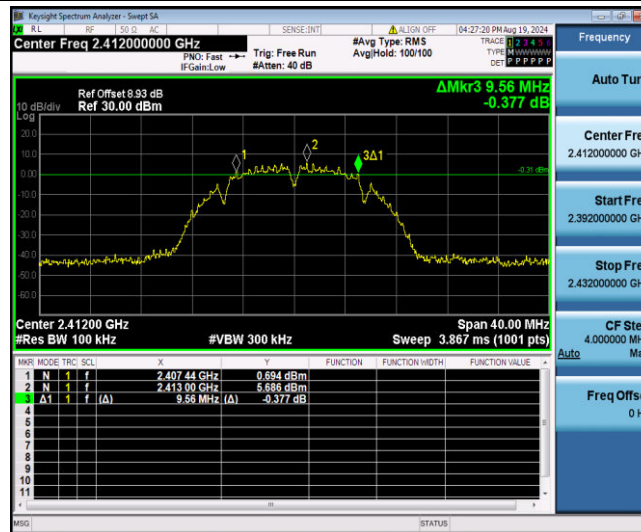
Appendix B.1: DTS Bandwidth

Test Result

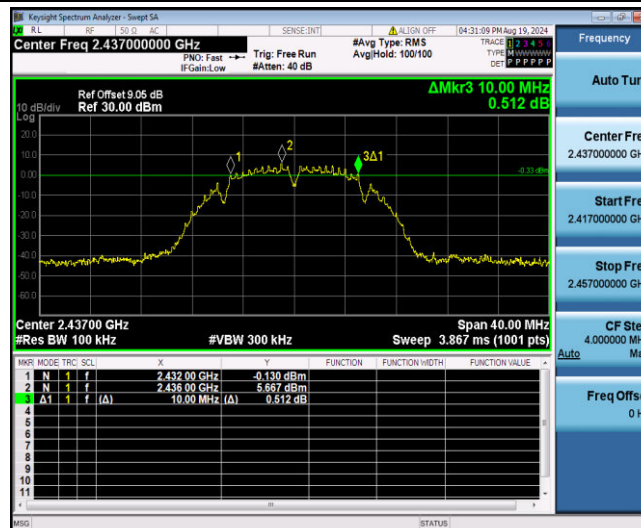
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.560	2407.440	2417.000	0.5	PASS
		2437	10.000	2432.000	2442.000	0.5	PASS
		2462	9.520	2457.480	2467.000	0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	0.5	PASS
		2437	16.360	2428.800	2445.160	0.5	PASS
		2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.040	2403.480	2420.520	0.5	PASS
		2437	17.000	2428.480	2445.480	0.5	PASS
		2462	17.040	2453.480	2470.520	0.5	PASS
11AX20SISO	Ant1	2412	19.000	2402.480	2421.480	0.5	PASS
		2437	18.960	2427.520	2446.480	0.5	PASS
		2462	18.960	2452.480	2471.440	0.5	PASS

Test Graphs

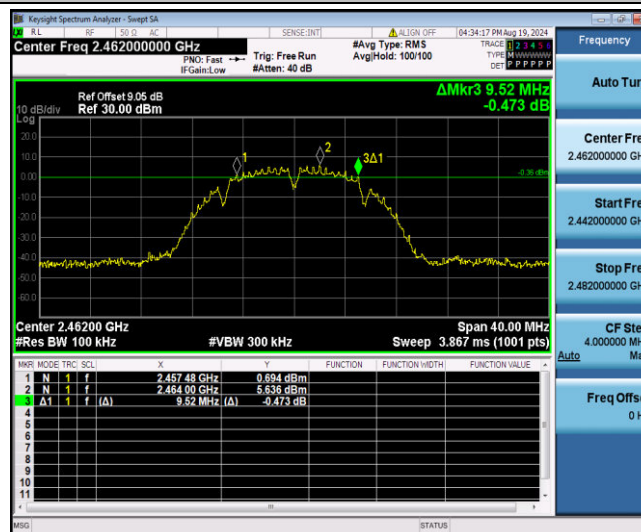
11B_Ant1_2412



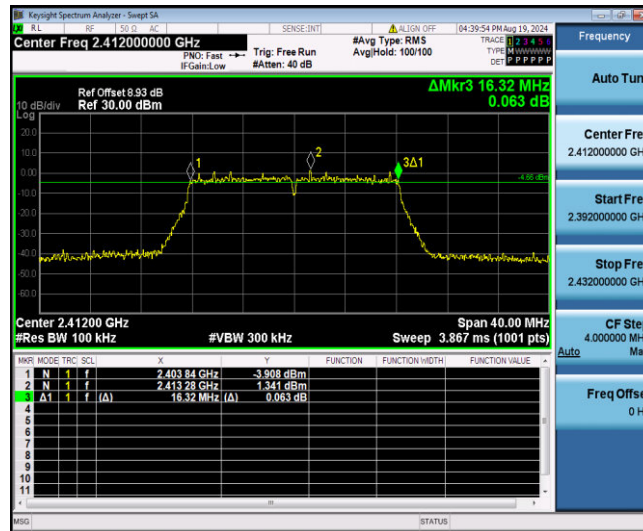
11B_Ant1_2437



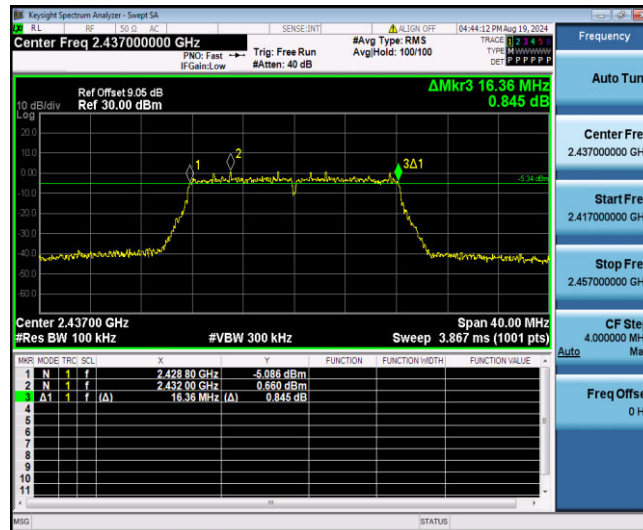
11B_Ant1_2462



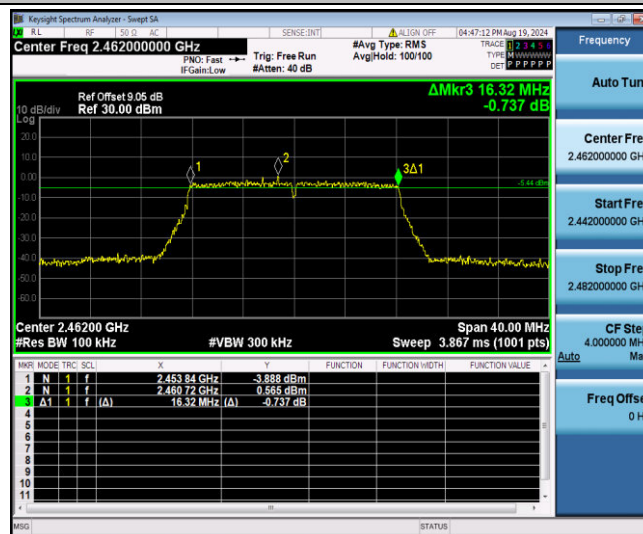
11G_Ant1_2412



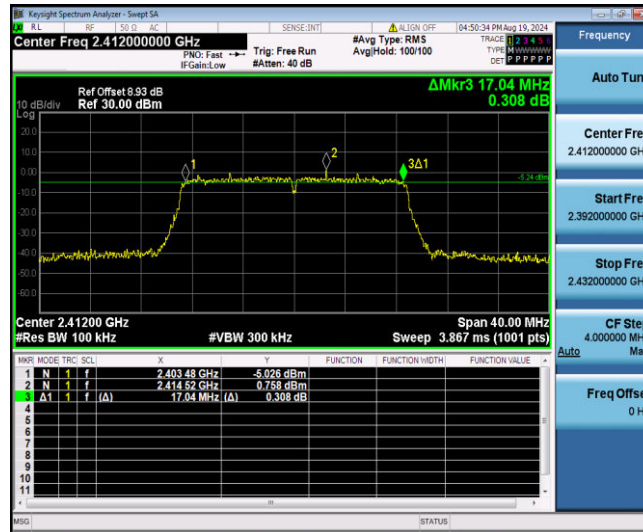
11G_Ant1_2437



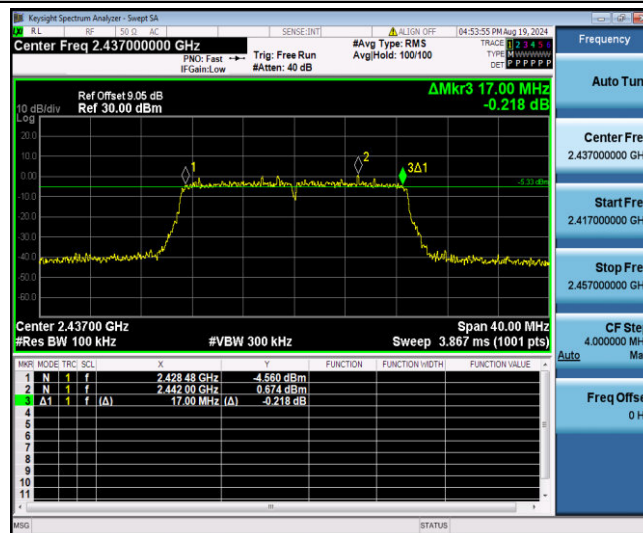
11G_Ant1_2462



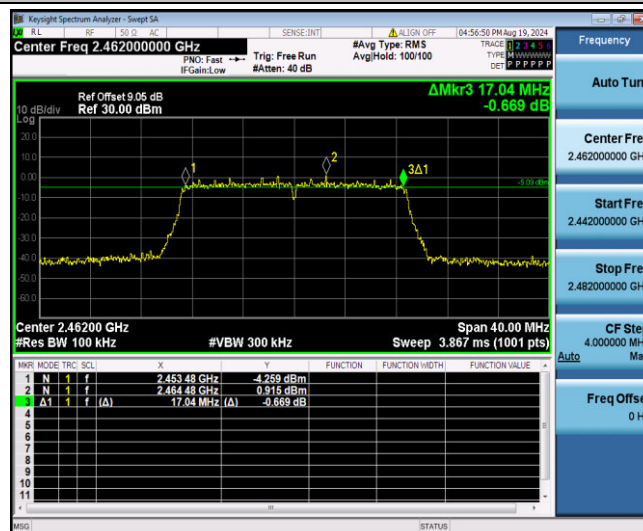
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



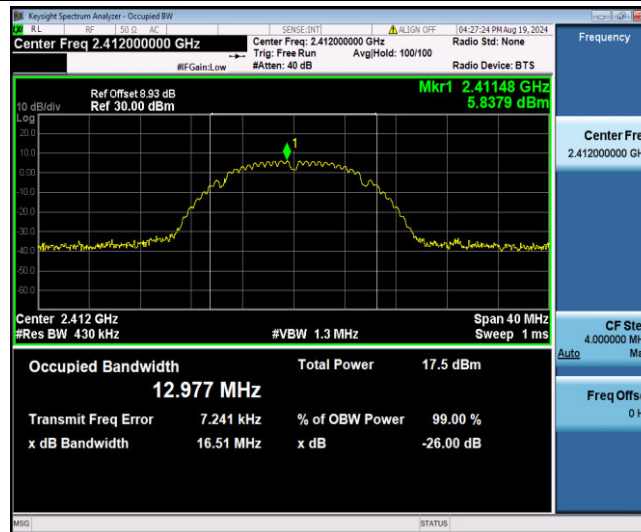
Appendix B.2: Occupied Channel Bandwidth

Test Result

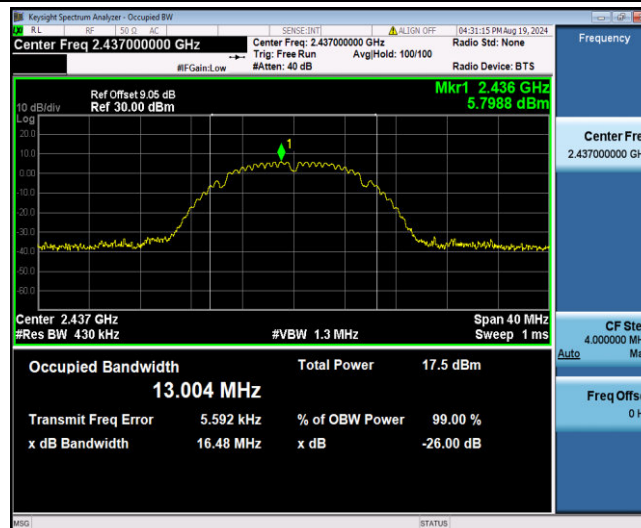
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.977	2405.5187	2418.4957	---	---
		2437	13.004	2430.5036	2443.5076	---	---
		2462	12.971	2455.4922	2468.4632	---	---
11G	Ant1	2412	16.777	2403.6164	2420.3934	---	---
		2437	16.838	2428.5909	2445.4289	---	---
		2462	16.732	2453.6291	2470.3611	---	---
11N20SISO	Ant1	2412	17.657	2403.1676	2420.8246	---	---
		2437	17.659	2428.1843	2445.8433	---	---
		2462	17.620	2453.1947	2470.8147	---	---
11AX20SISO	Ant1	2412	19.205	2402.3753	2421.5803	---	---
		2437	19.183	2427.3914	2446.5744	---	---
		2462	19.226	2452.3385	2471.5645	---	---

Test Graphs

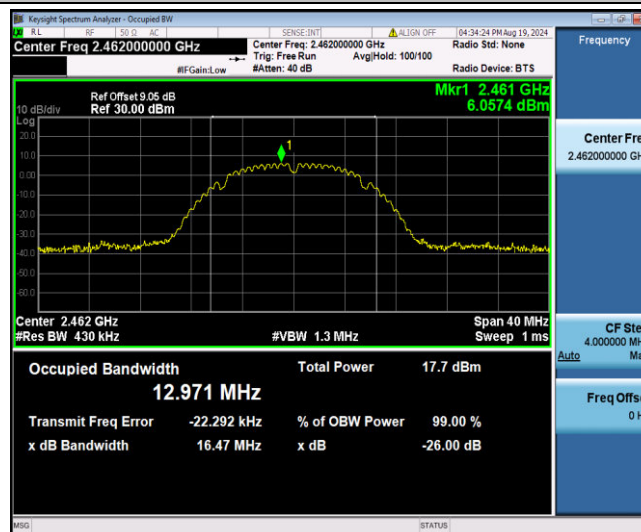
11B_Ant1_2412



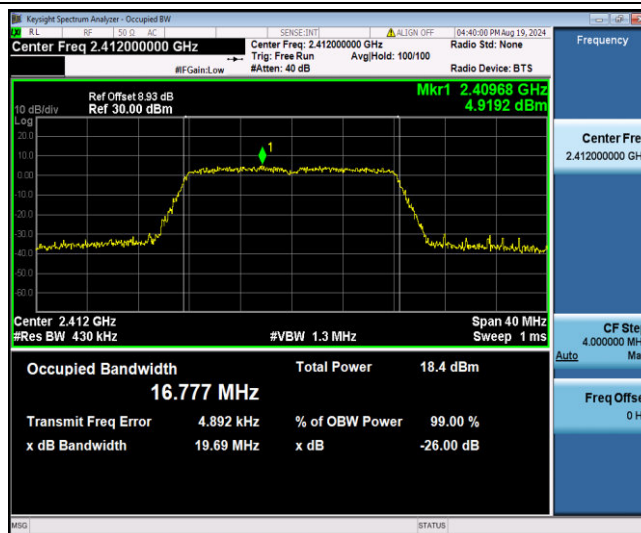
11B_Ant1_2437



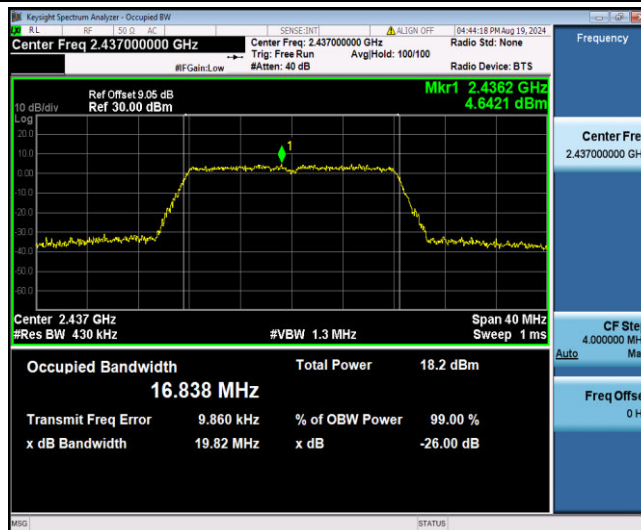
11B_Ant1_2462



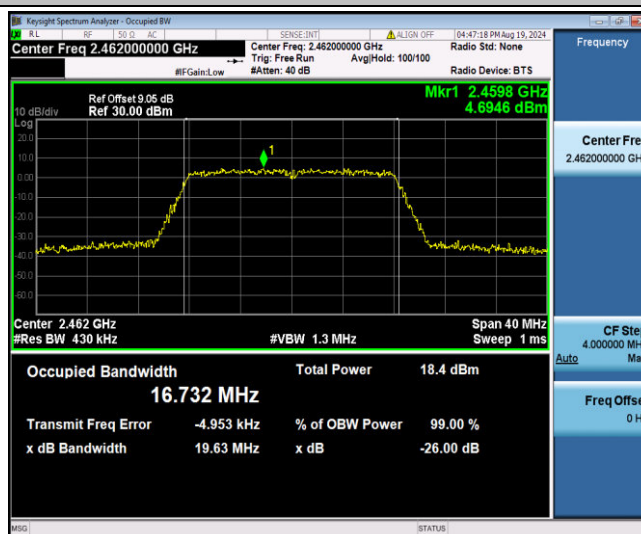
11G_Ant1_2412



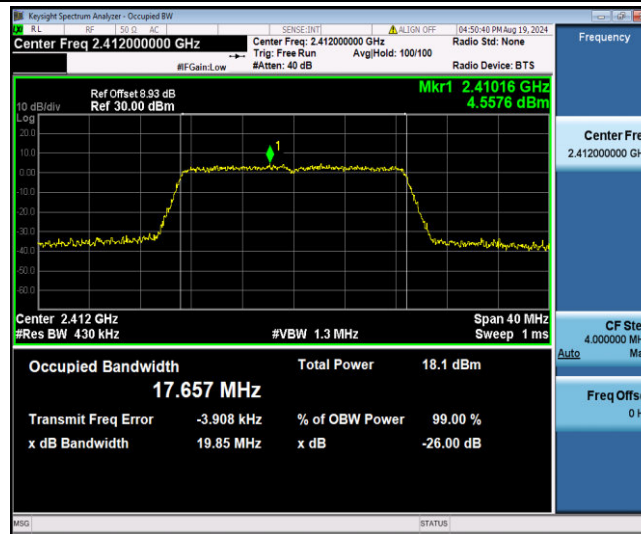
11G_Ant1_2437



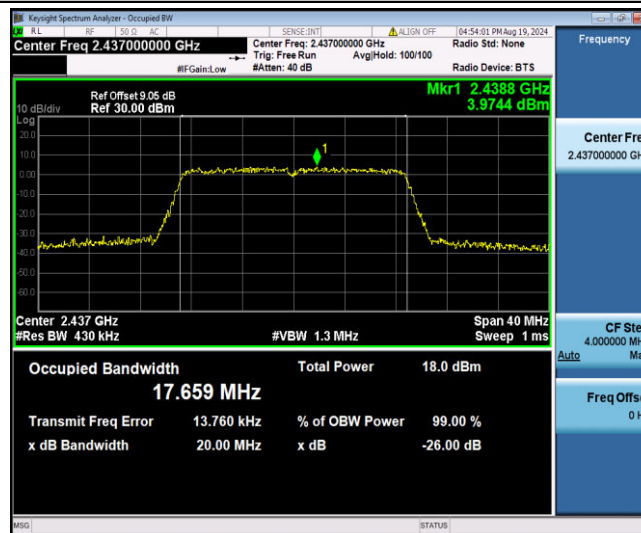
11G_Ant1_2462



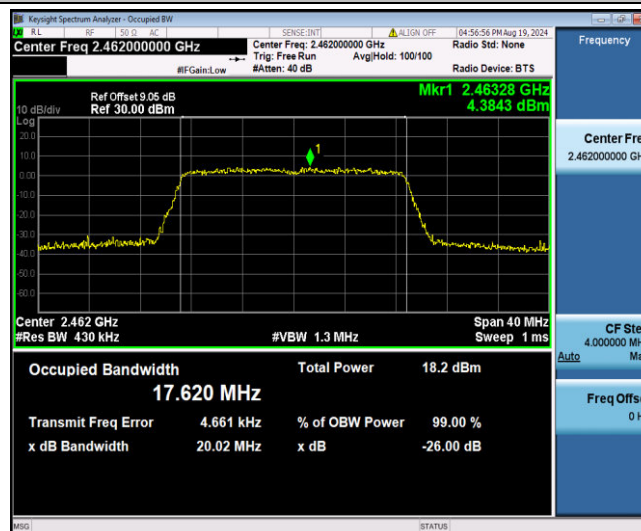
11N20SISO_Ant1_2412



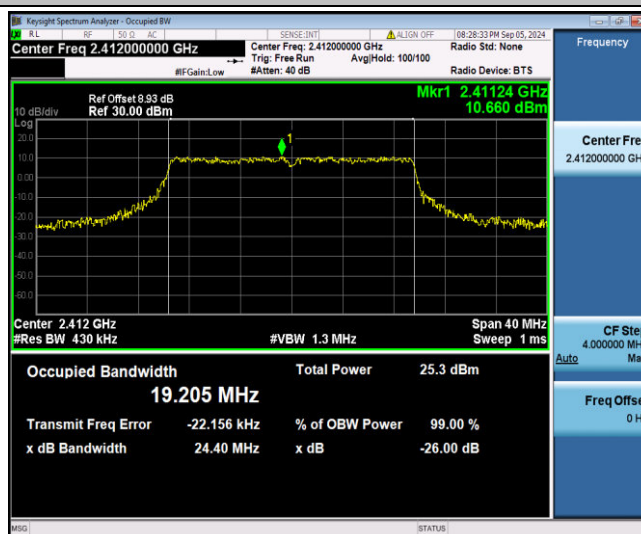
11N20SISO_Ant1_2437



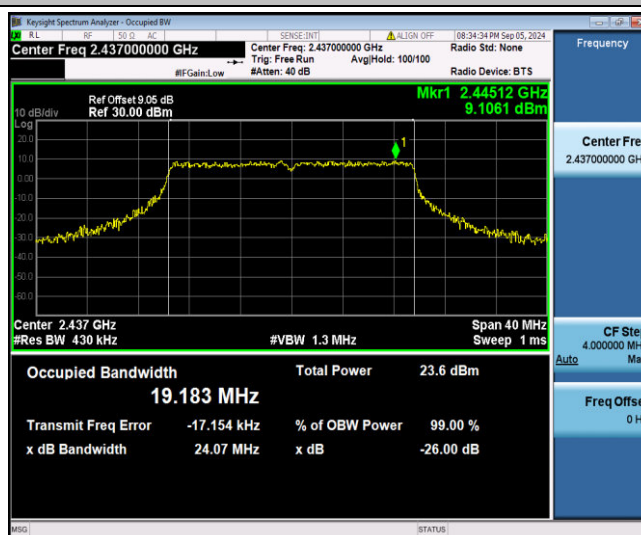
11N20SISO_Ant1_2462



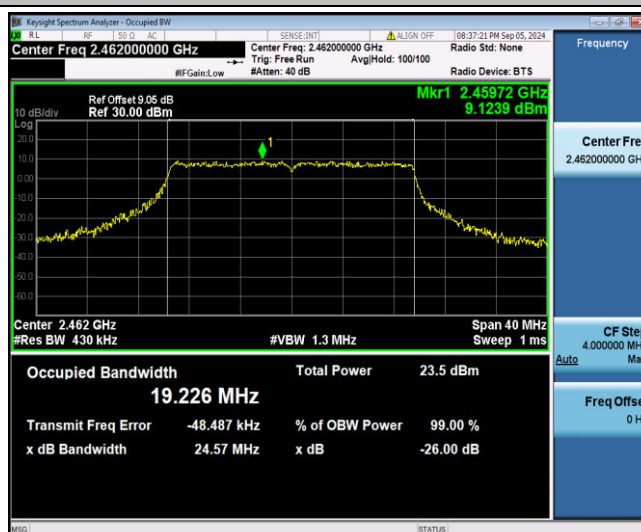
11AX20SISO_Ant1_2412



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	17.56	≤30.00	PASS
		2437	17.50	≤30.00	PASS
		2462	17.94	≤30.00	PASS
11G	Ant1	2412	19.69	≤30.00	PASS
		2437	19.55	≤30.00	PASS
		2462	19.53	≤30.00	PASS
11N20SISO	Ant1	2412	19.33	≤30.00	PASS
		2437	19.19	≤30.00	PASS
		2462	19.42	≤30.00	PASS
11AX20SISO	Ant1	2412	19.17	≤30.00	PASS
		2437	19.07	≤30.00	PASS
		2462	19.28	≤30.00	PASS

Appendix B.4: Maximum power spectral density

Test Result

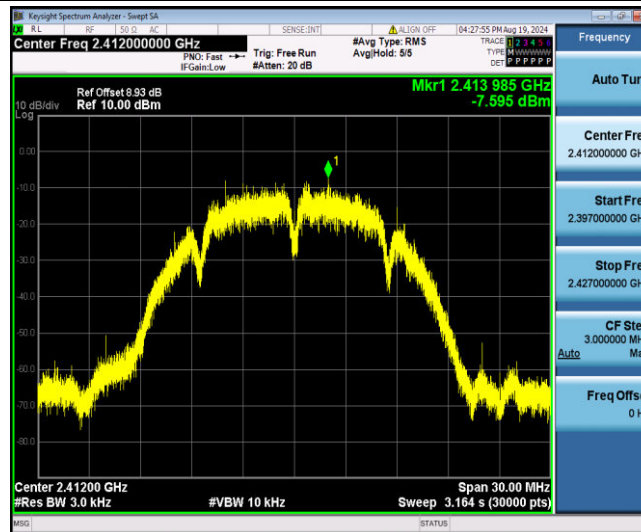
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-7.60	≤8.00	PASS
		2437	-6.59	≤8.00	PASS
		2462	-4.33	≤8.00	PASS
11G	Ant1	2412	-13.38	≤8.00	PASS
		2437	-13.14	≤8.00	PASS
		2462	-13.15	≤8.00	PASS
11N20SISO	Ant1	2412	-13.50	≤8.00	PASS
		2437	-13.12	≤8.00	PASS
		2462	-12.42	≤8.00	PASS
11AX20SISO	Ant1	2412	-10.12	≤8.00	PASS
		2437	-10.20	≤8.00	PASS
		2462	-9.91	≤8.00	PASS

Note:

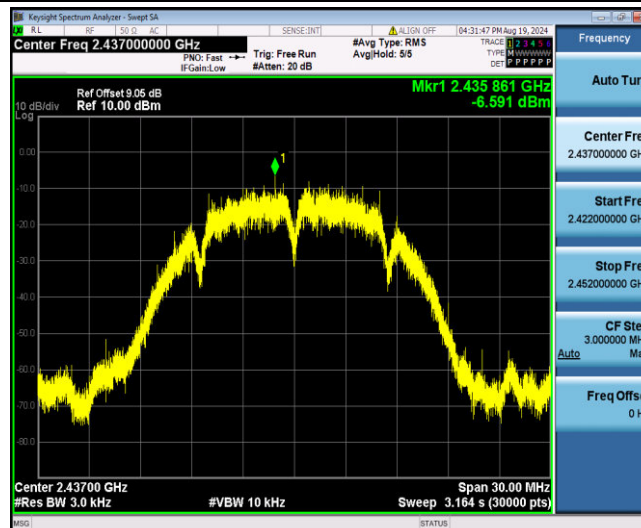
1. The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

11B_Ant1_2412



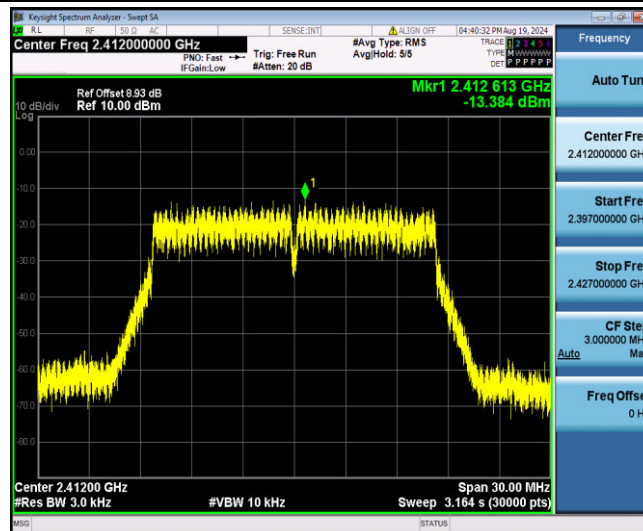
11B_Ant1_2437



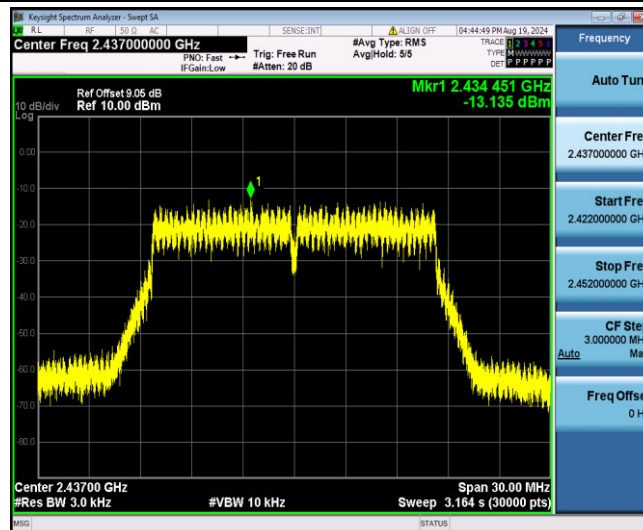
11B_Ant1_2462



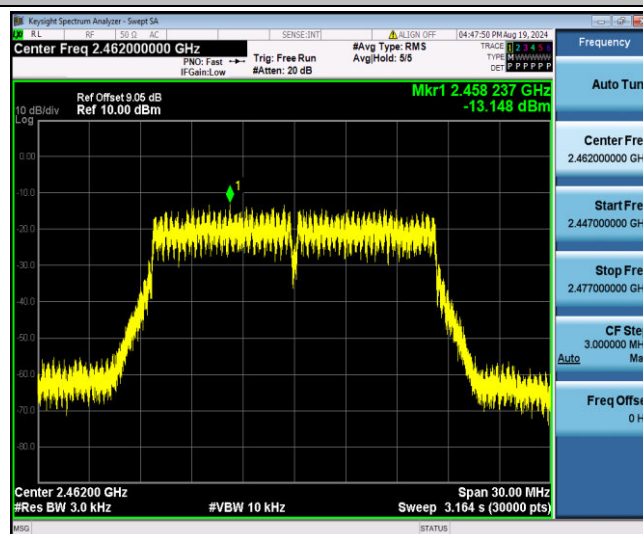
11G_Ant1_2412



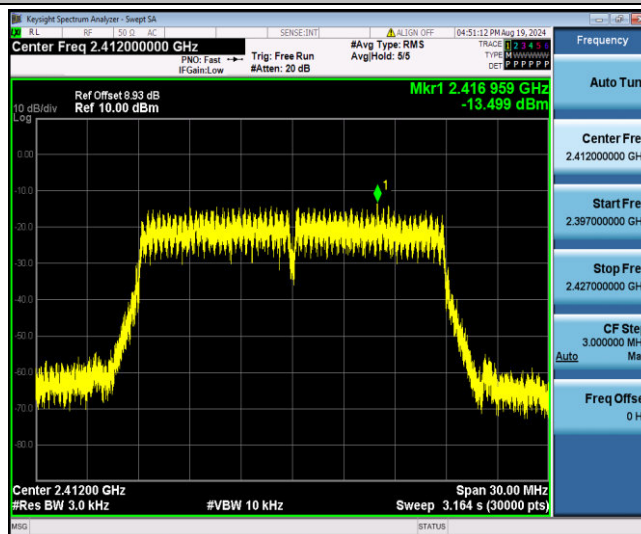
11G_Ant1_2437



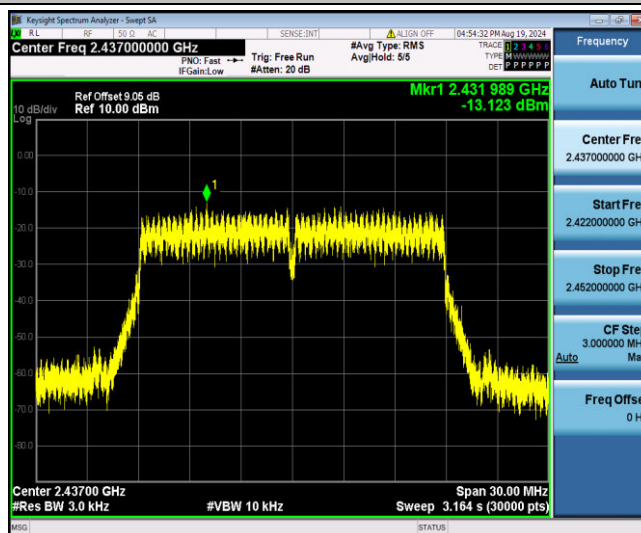
11G_Ant1_2462



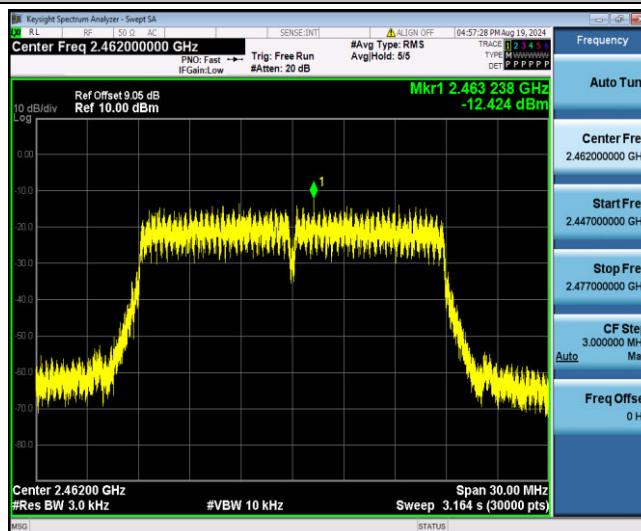
11N20SISO_Ant1_2412



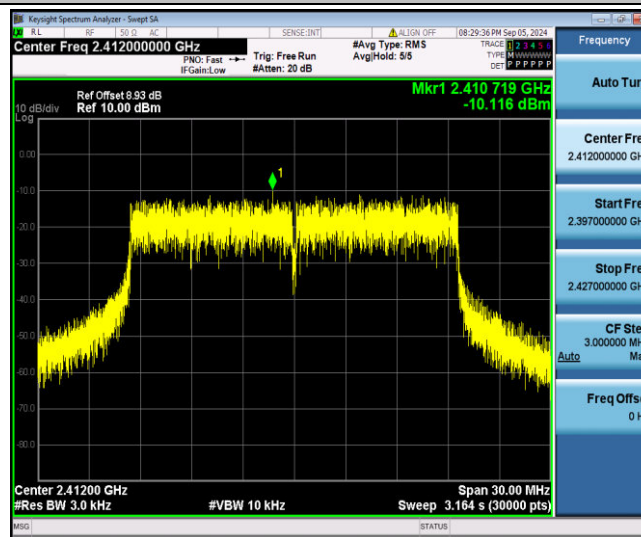
11N20SISO_Ant1_2437



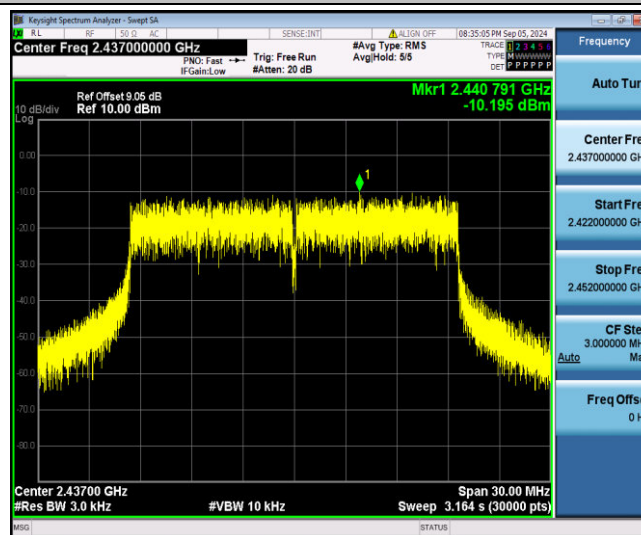
11N20SISO_Ant1_2462



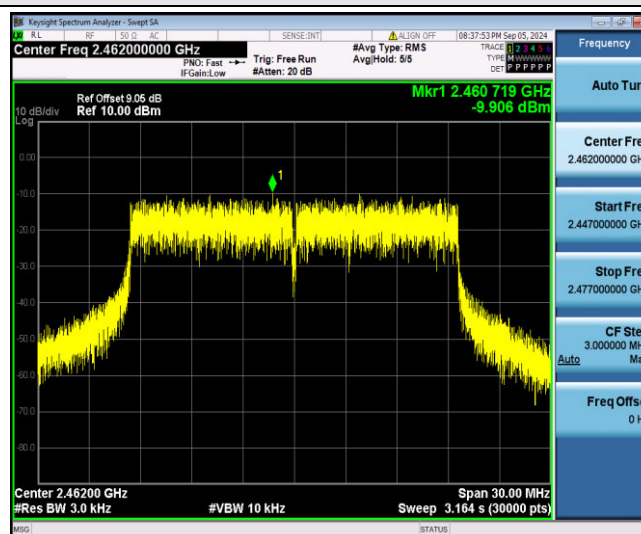
11AX20SISO_Ant1_2412



11AX20SISO_Ant1_2437



11AX20SISO_Ant1_2462



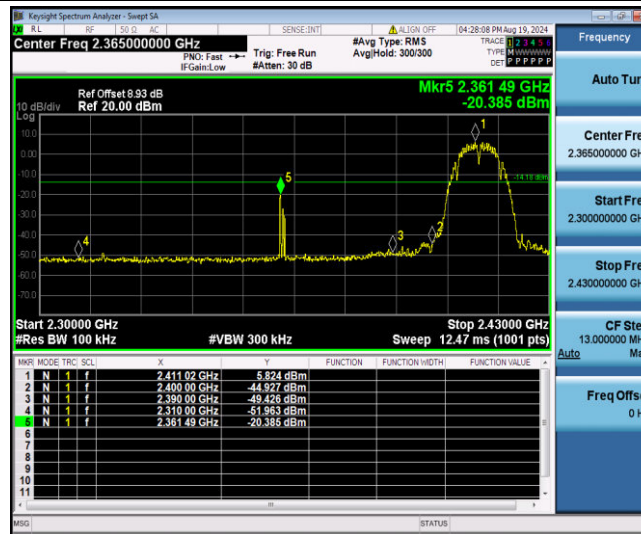
Appendix B.5: Band edge measurements

Test Result

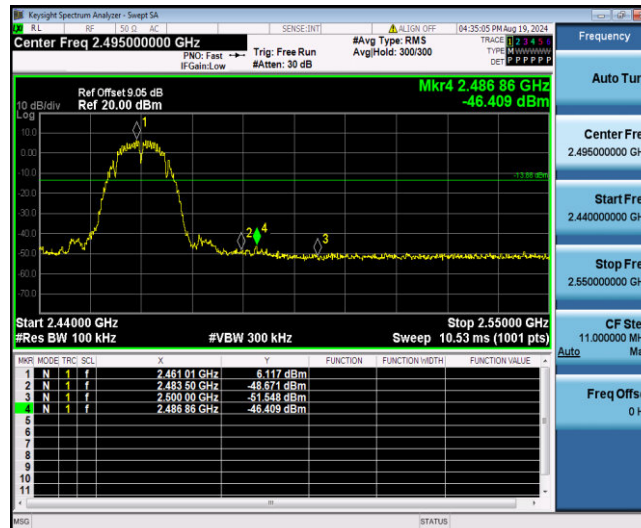
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.82	-20.39	≤ -14.18	PASS
		High	2462	6.12	-46.41	≤ -13.88	PASS
11G	Ant1	Low	2412	1.01	-39.68	≤ -18.99	PASS
		High	2462	1.53	-47.48	≤ -18.47	PASS
11N20SISO	Ant1	Low	2412	0.54	-40.52	≤ -19.46	PASS
		High	2462	1.21	-47.36	≤ -18.8	PASS
11AX20SISO	Ant1	Low	2412	4.24	-27.05	≤ -15.76	PASS
		High	2462	5.16	-40.18	≤ -14.84	PASS

Test Graphs

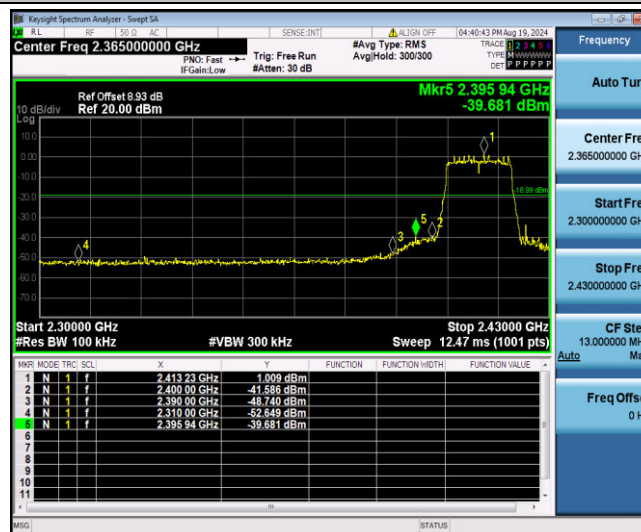
11B_Ant1_Low_2412



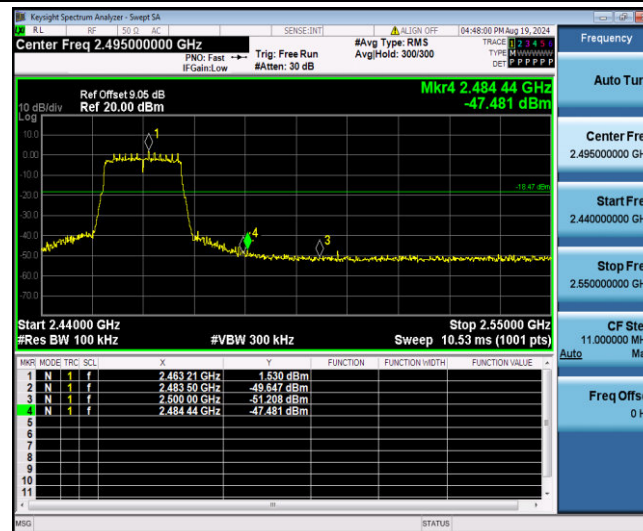
11B_Ant1_High_2462



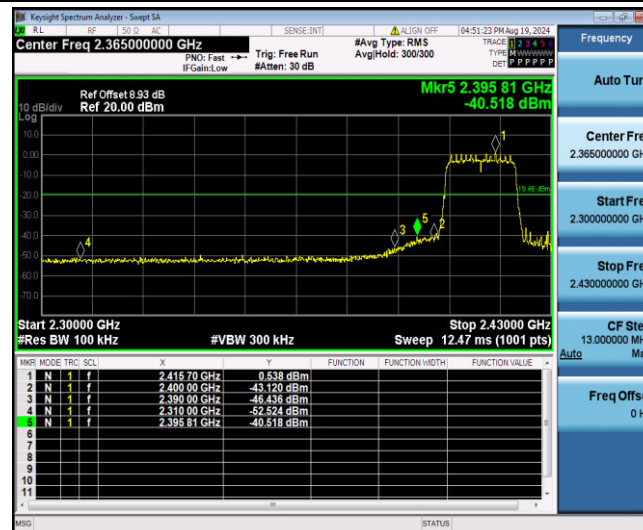
11G_Ant1_Low_2412



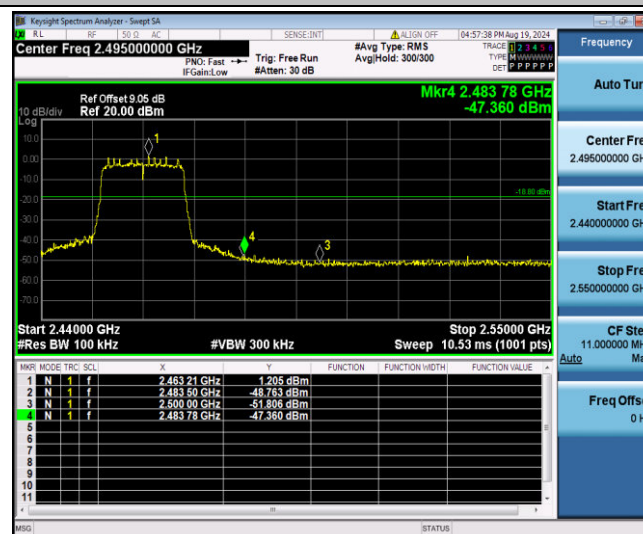
11G_Ant1_High_2462



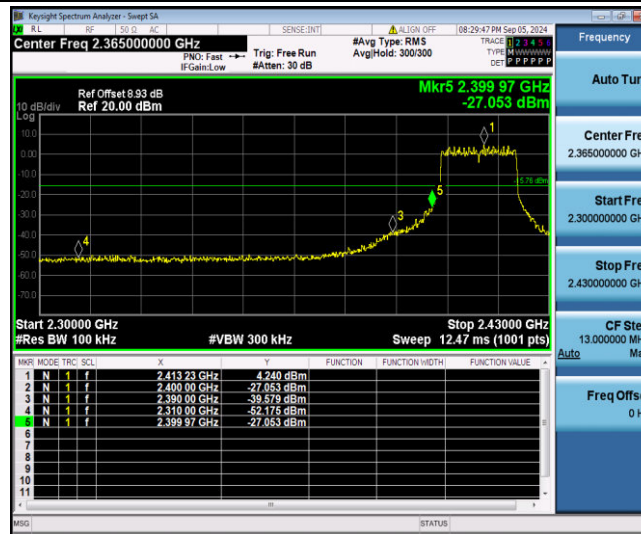
11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11AX20SISO_Ant1_Low_2412



11AX20SISO_Ant1_High_2462



Appendix B.6: Conducted Spurious Emission

Test Result

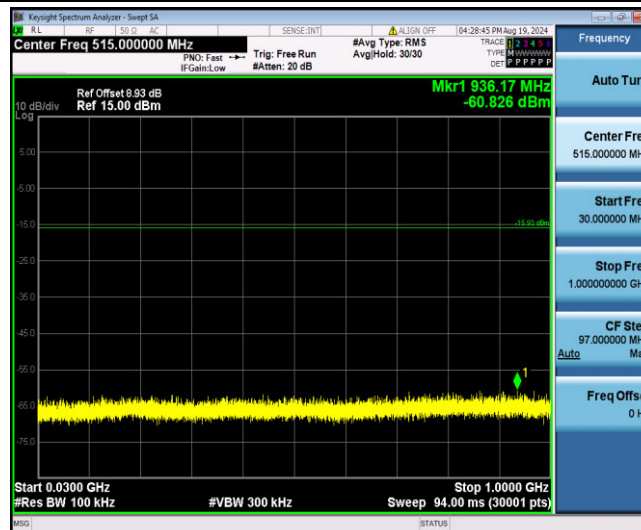
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	4.07	4.07	---	PASS
			30~1000	4.07	-60.83	≤ -15.93	PASS
			1000~26500	4.07	-47.85	≤ -15.93	PASS
		2437	Reference	3.75	3.75	---	PASS
			30~1000	3.75	-60.36	≤ -16.25	PASS
			1000~26500	3.75	-46.76	≤ -16.25	PASS
		2462	Reference	4.76	4.76	---	PASS
			30~1000	4.76	-60.61	≤ -15.24	PASS
			1000~26500	4.76	-45.73	≤ -15.24	PASS
11G	Ant1	2412	Reference	-2.22	-2.22	---	PASS
			30~1000	-2.22	-60.89	≤ -22.22	PASS
			1000~26500	-2.22	-48.14	≤ -22.22	PASS
		2437	Reference	0.43	0.43	---	PASS
			30~1000	0.43	-59.66	≤ -19.57	PASS
			1000~26500	0.43	-47.1	≤ -19.57	PASS
		2462	Reference	-2.52	-2.52	---	PASS
			30~1000	-2.52	-60.01	≤ -22.52	PASS
			1000~26500	-2.52	-47.91	≤ -22.52	PASS
11N20SISO	Ant1	2412	Reference	0.07	0.07	---	PASS
			30~1000	0.07	-60.98	≤ -19.93	PASS
			1000~26500	0.07	-47.46	≤ -19.93	PASS
		2437	Reference	-1.59	-1.59	---	PASS
			30~1000	-1.59	-60.65	≤ -21.59	PASS
			1000~26500	-1.59	-47.81	≤ -21.59	PASS
		2462	Reference	0.94	0.94	---	PASS
			30~1000	0.94	-60.64	≤ -19.06	PASS
			1000~26500	0.94	-47.62	≤ -19.06	PASS
11AX20SISO	Ant1	2412	Reference	3.64	3.64	---	PASS
			30~1000	3.64	-60.87	≤ -16.36	PASS
			1000~26500	3.64	-45.28	≤ -16.36	PASS
		2437	Reference	2.85	2.85	---	PASS
			30~1000	2.85	-60.62	≤ -17.15	PASS
			1000~26500	2.85	-44.75	≤ -17.15	PASS
		2462	Reference	4.09	4.09	---	PASS
			30~1000	4.09	-60.64	≤ -15.91	PASS
			1000~26500	4.09	-44.55	≤ -15.91	PASS

Test Graphs

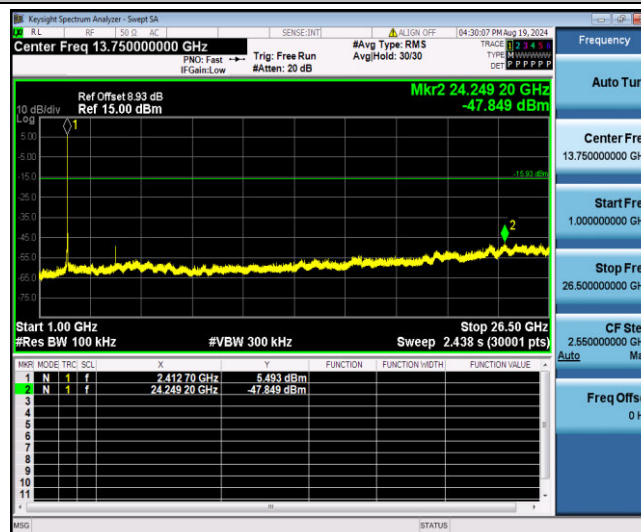
11B_Ant1_2412_0-Reference



11B_Ant1_2412_30-1000



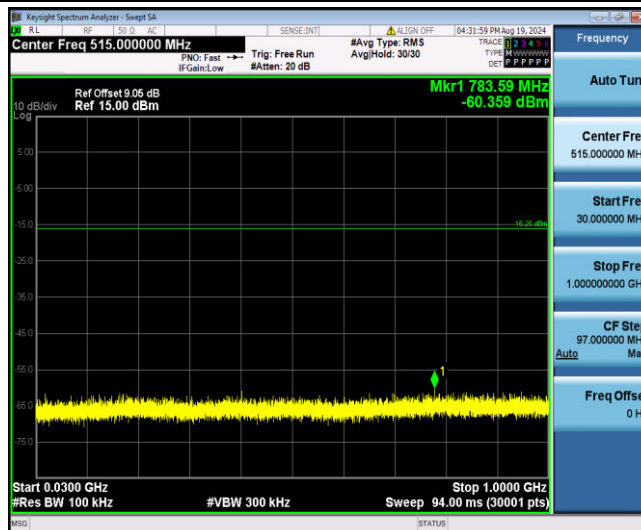
11B_Ant1_2412_1000-26500



11B_Ant1_2437_0-Reference



11B_Ant1_2437_30~1000



11B_Ant1_2437_1000~26500

