

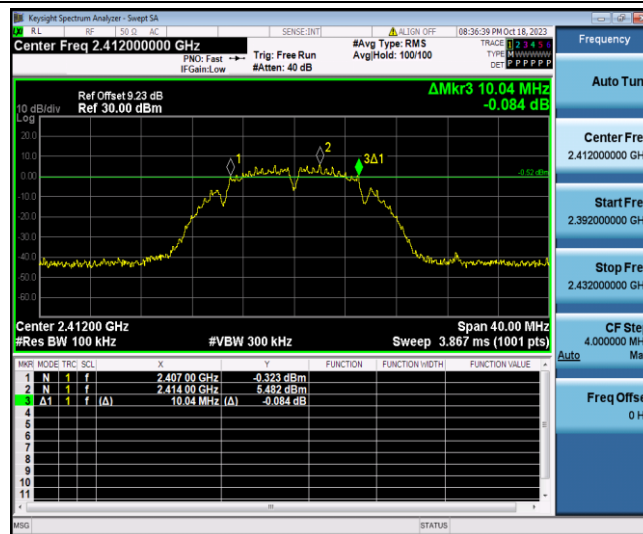
Case No. : <u>GTS20220523028-1-84</u>	
Ambient Condition: <u>23</u> °C, <u>49</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.10.18</u>	Test Engineer: <u>Evan ouyang</u>

Appendix A.1: DTS Bandwidth

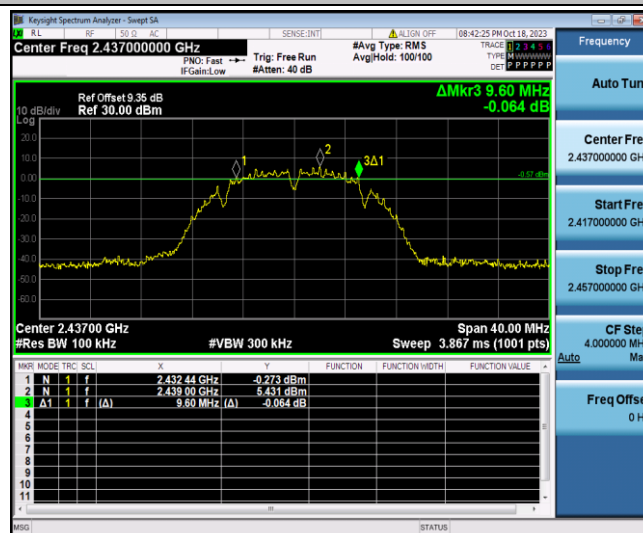
Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.040	2407.000	2417.040	0.5	PASS
		2437	9.600	2432.440	2442.040	0.5	PASS
		2462	10.000	2457.000	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	17.000	2403.480	2420.480	0.5	PASS
		2437	16.840	2428.600	2445.440	0.5	PASS
		2462	17.080	2453.440	2470.520	0.5	PASS
11N40SISO	Ant1	2422	35.120	2404.400	2439.520	0.5	PASS
		2437	35.280	2419.480	2454.760	0.5	PASS
		2452	34.960	2434.480	2469.440	0.5	PASS

Test Graphs



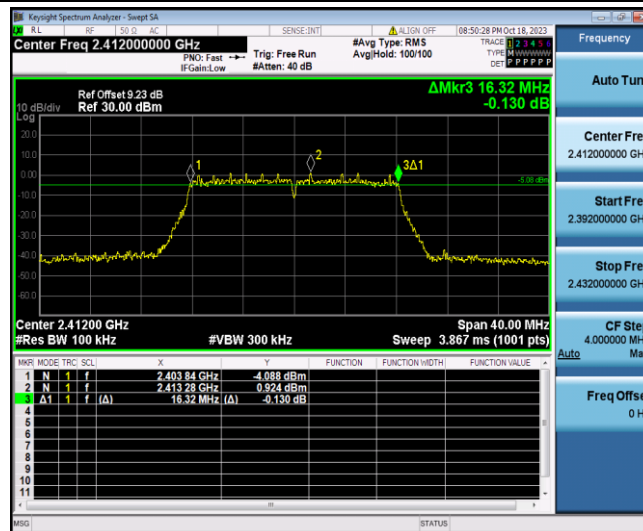
11B_Ant1_2412



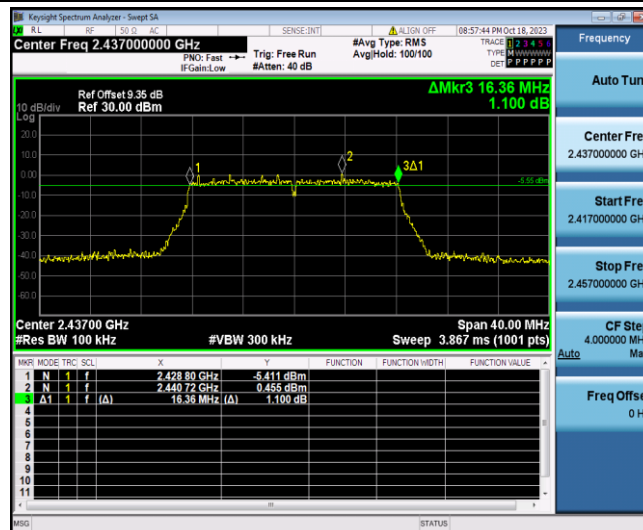
11B_Ant1_2437



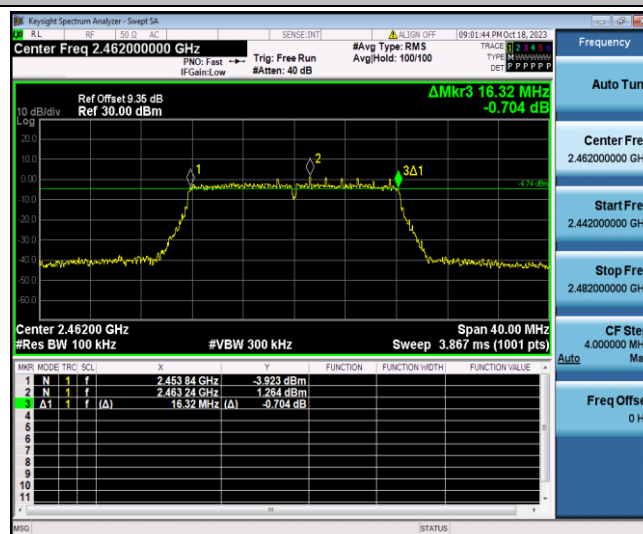
11B_Ant1_2462



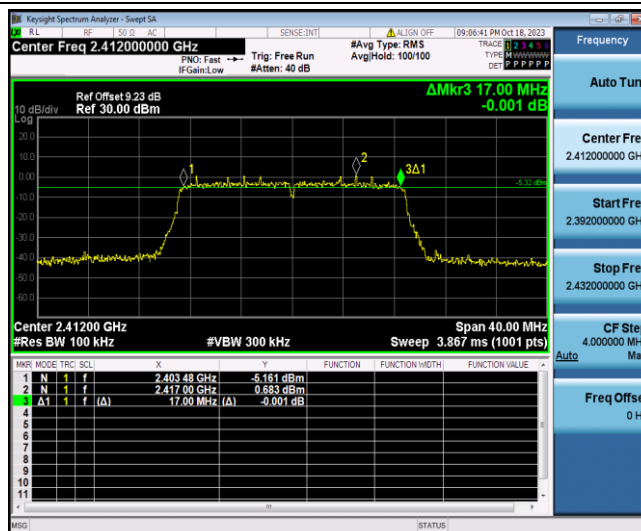
11G_Ant1_2412



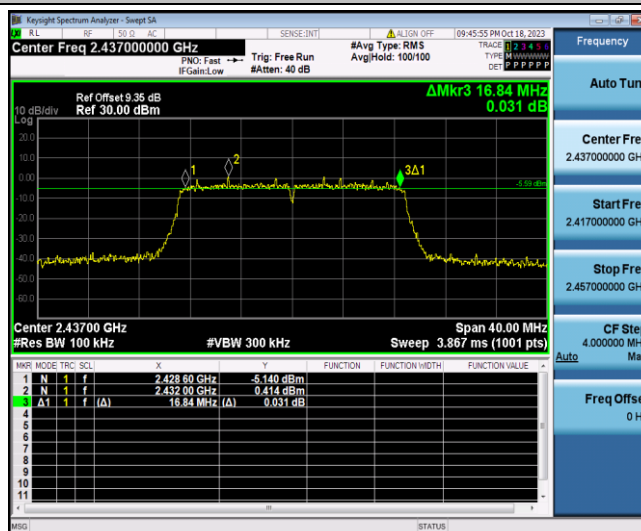
11G_Ant1_2437



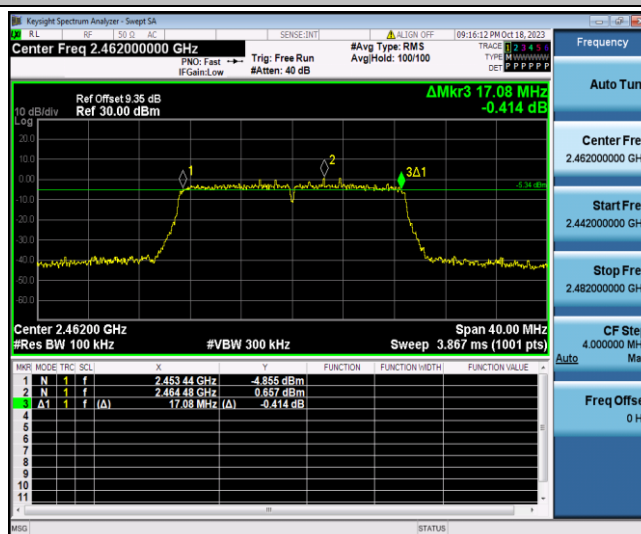
11G_Ant1_2462



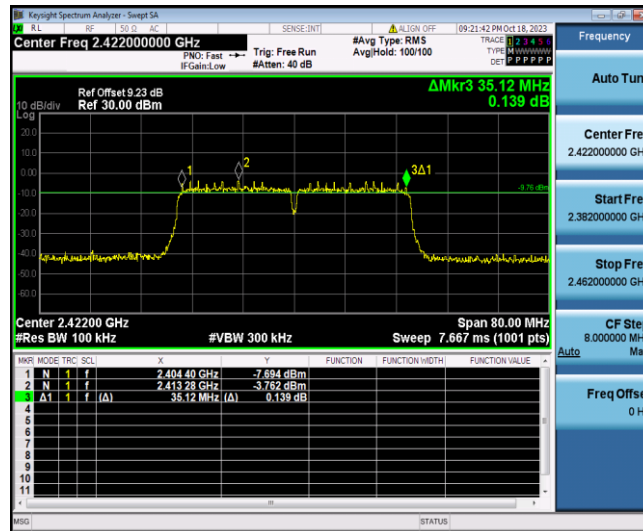
11N20SISO_Ant1_2412



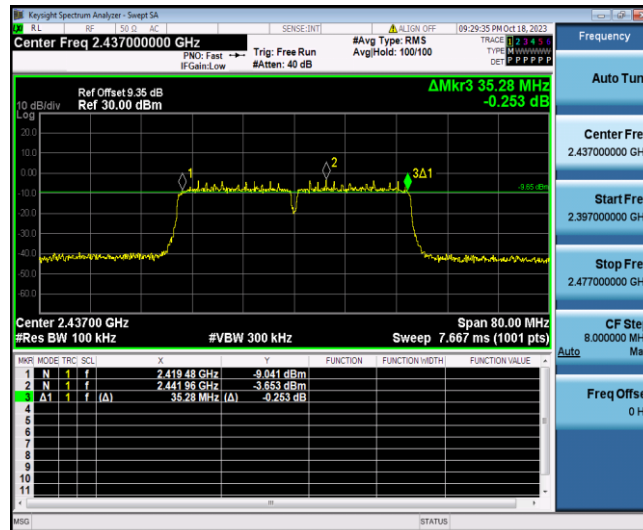
11N20SISO_Ant1_2437



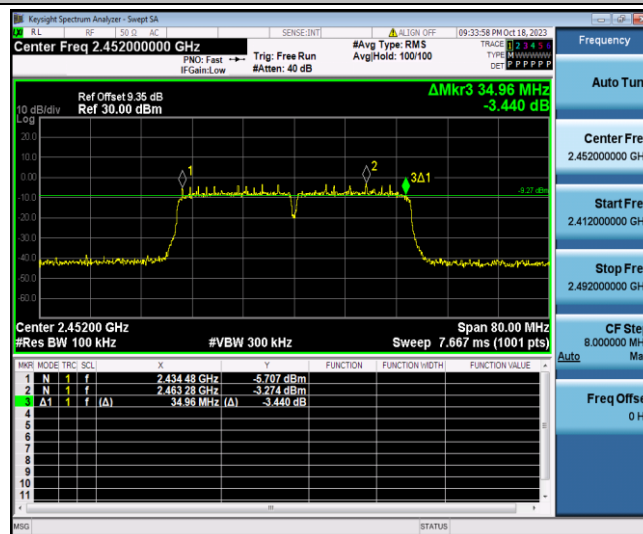
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



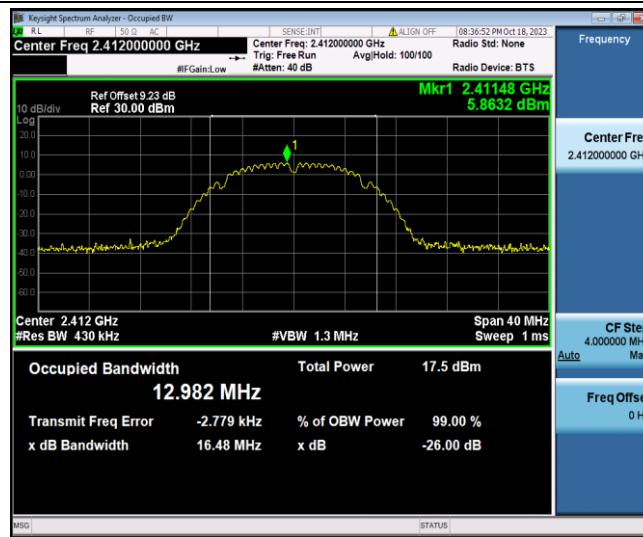
11N40SISO_Ant1_2452

Appendix A.2: Occupied Channel Bandwidth

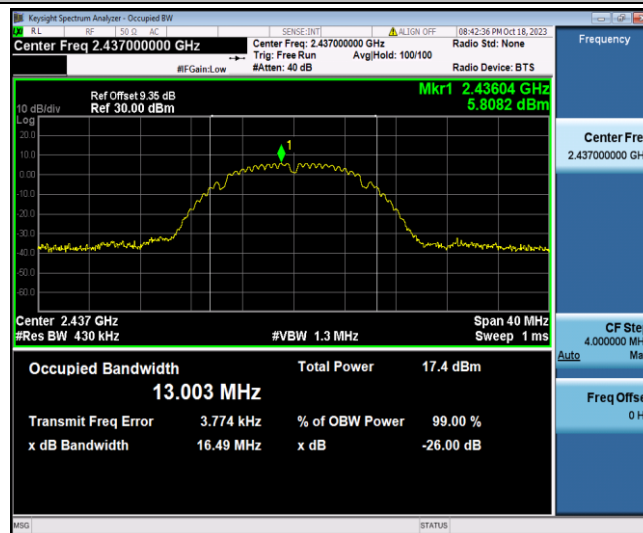
Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.982	2405.506	2418.488	---	---
		2437	13.003	2430.502	2443.505	---	---
		2462	12.977	2455.496	2468.473	---	---
11G	Ant1	2412	16.796	2403.617	2420.413	---	---
		2437	16.819	2428.591	2445.410	---	---
		2462	16.755	2453.616	2470.371	---	---
11N20SISO	Ant1	2412	17.613	2403.194	2420.807	---	---
		2437	17.648	2428.181	2445.829	---	---
		2462	17.666	2453.154	2470.820	---	---
11N40SISO	Ant1	2422	35.937	2404.014	2439.951	---	---
		2437	35.970	2419.034	2455.004	---	---
		2452	35.952	2434.021	2469.973	---	---

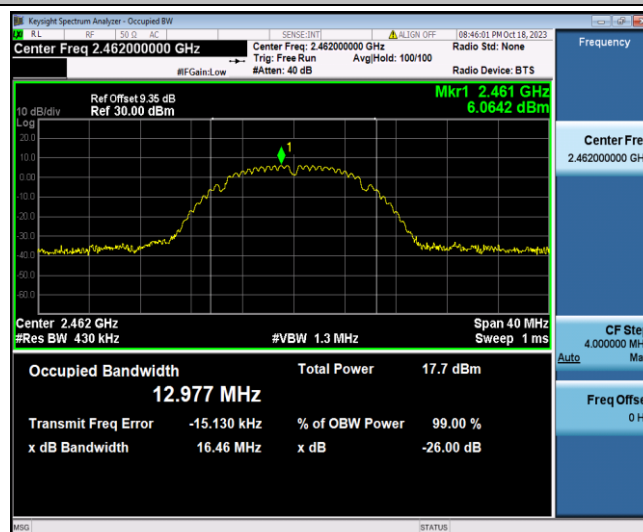
Test Graphs



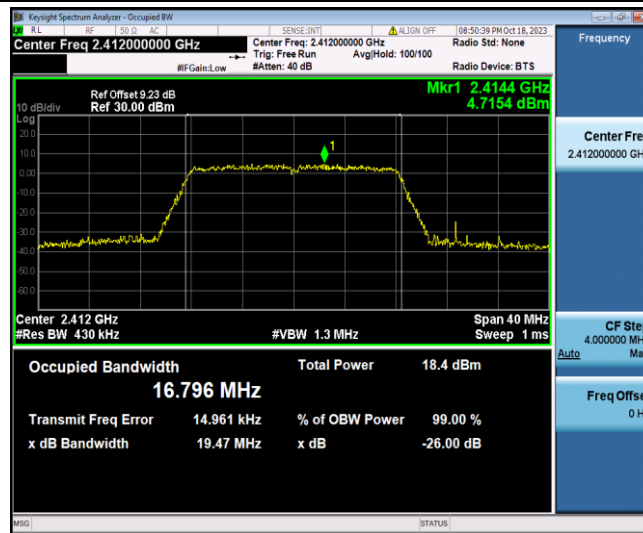
11B_Ant1_2412



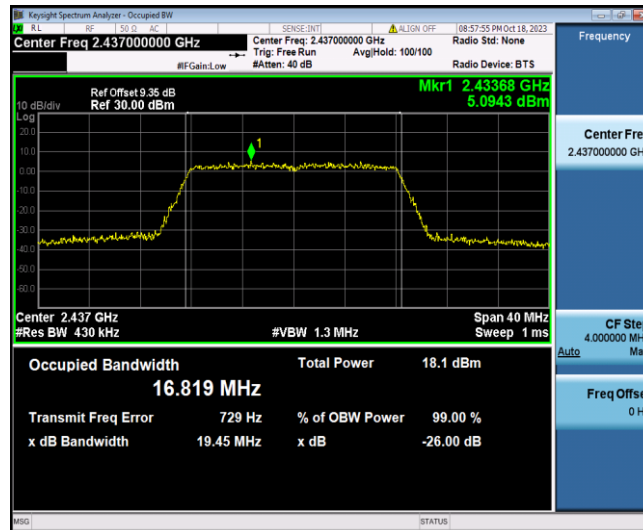
11B_Ant1_2437



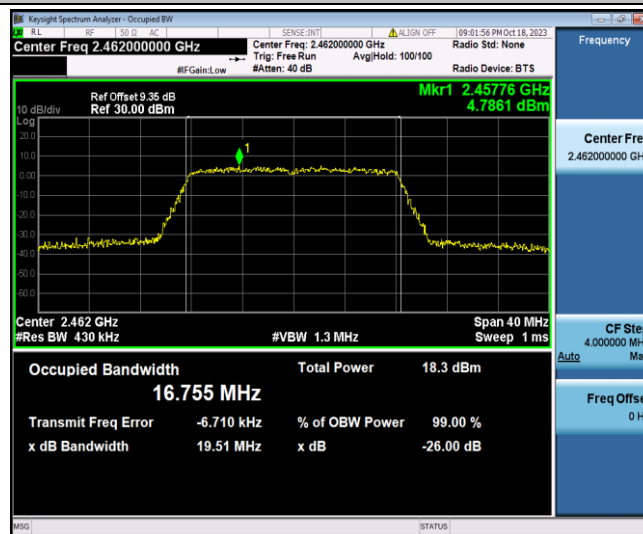
11B_Ant1_2462



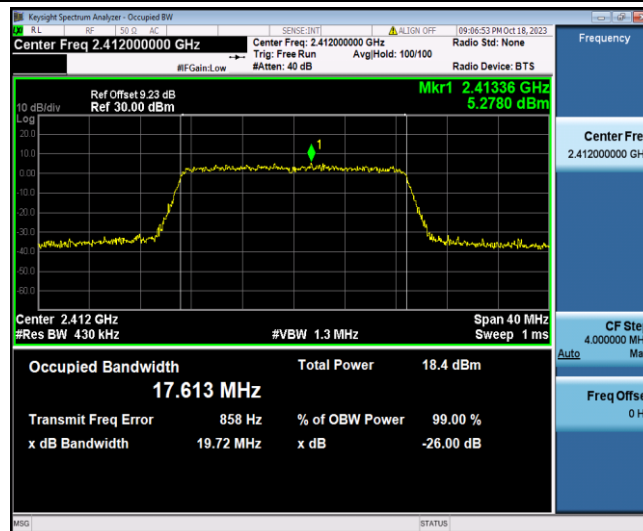
11G_Ant1_2412



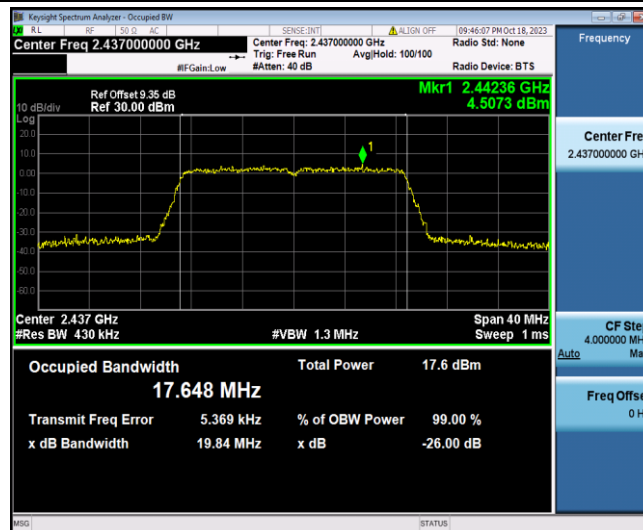
11G_Ant1_2437



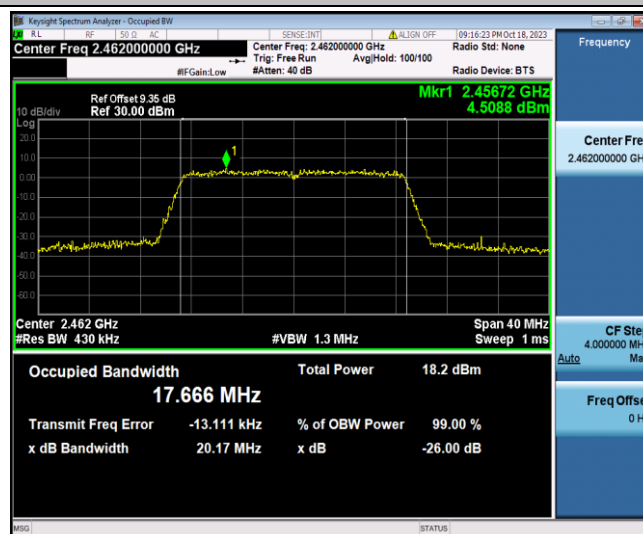
11G_Ant1_2462



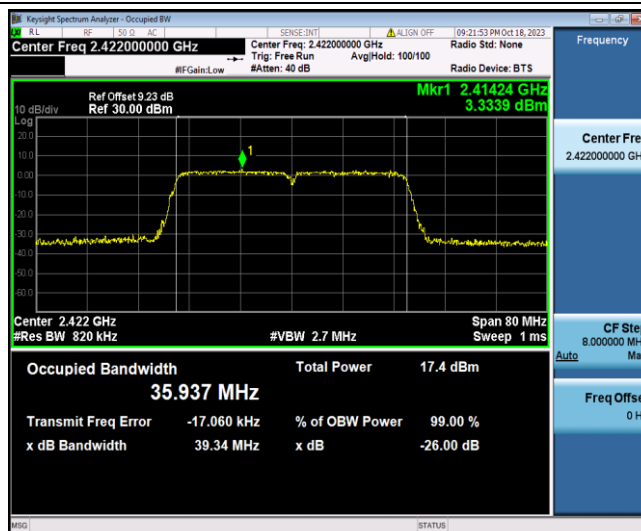
11N20SISO_Ant1_2412



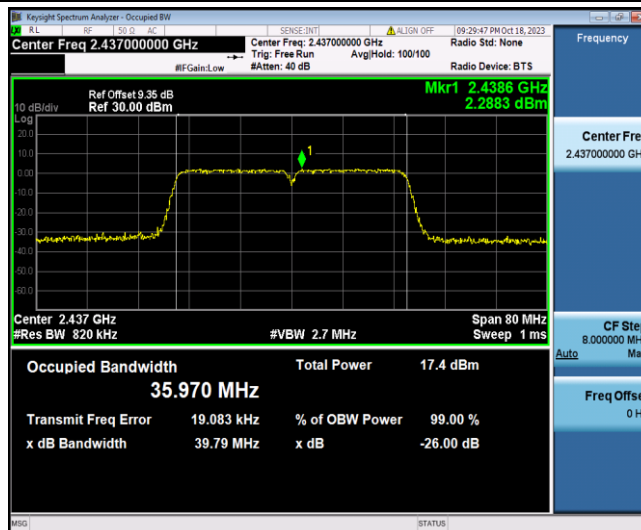
11N20SISO_Ant1_2437



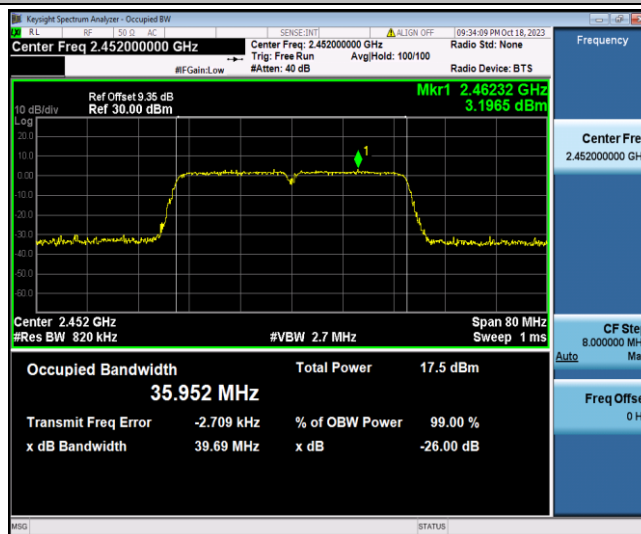
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452

Appendix A.3: Maximum conducted output power

Test Result Peak

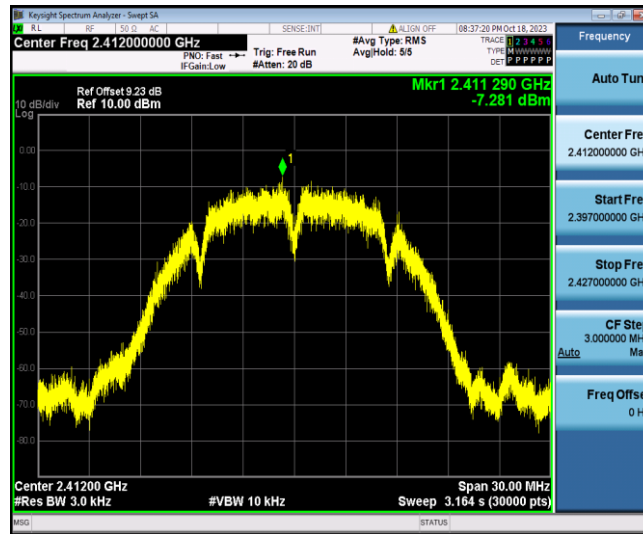
TestMode	Antenna	Frequency [MHz]	Peak Power[dBm]	Conducted Limit[dBm]	EIRP Limit[dBm]	Verdict
11B	Ant1	2412	18.74	≤30.00	≤36.00	PASS
		2437	18.45	≤30.00	≤36.00	PASS
		2462	18.70	≤30.00	≤36.00	PASS
11G	Ant1	2412	19.61	≤30.00	≤36.00	PASS
		2437	19.29	≤30.00	≤36.00	PASS
		2462	19.48	≤30.00	≤36.00	PASS
11N20SISO	Ant1	2412	19.51	≤30.00	≤36.00	PASS
		2437	19.96	≤30.00	≤36.00	PASS
		2462	19.39	≤30.00	≤36.00	PASS
11N40SISO	Ant1	2422	20.79	≤30.00	≤36.00	PASS
		2437	20.69	≤30.00	≤36.00	PASS
		2452	20.84	≤30.00	≤36.00	PASS

Appendix A.4: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-7.28	≤8.00	PASS
		2437	-9.02	≤8.00	PASS
		2462	-5.71	≤8.00	PASS
11G	Ant1	2412	-11.64	≤8.00	PASS
		2437	-13.34	≤8.00	PASS
		2462	-13.01	≤8.00	PASS
11N20SISO	Ant1	2412	-13.27	≤8.00	PASS
		2437	-14.37	≤8.00	PASS
		2462	-13.75	≤8.00	PASS
11N40SISO	Ant1	2422	-17.69	≤8.00	PASS
		2437	-18.33	≤8.00	PASS
		2452	-17.41	≤8.00	PASS

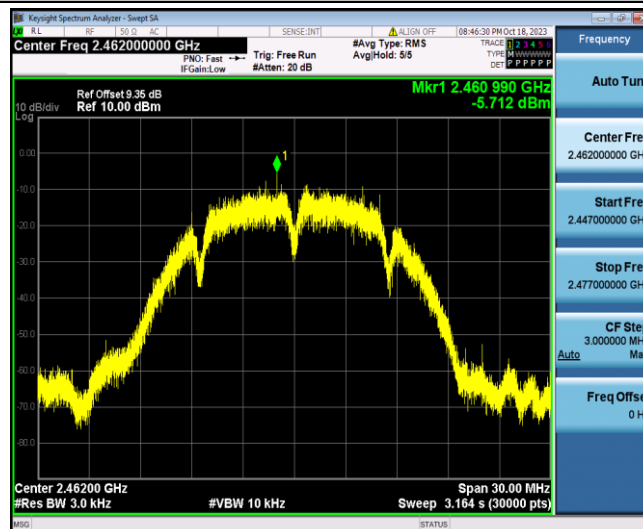
Test Graphs



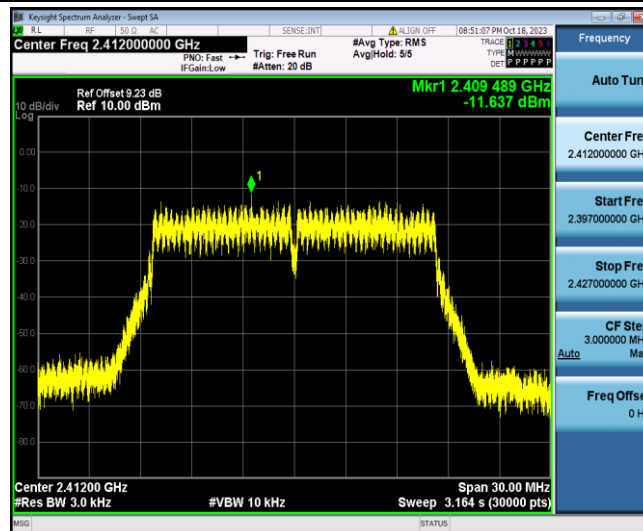
11B_Ant1_2412



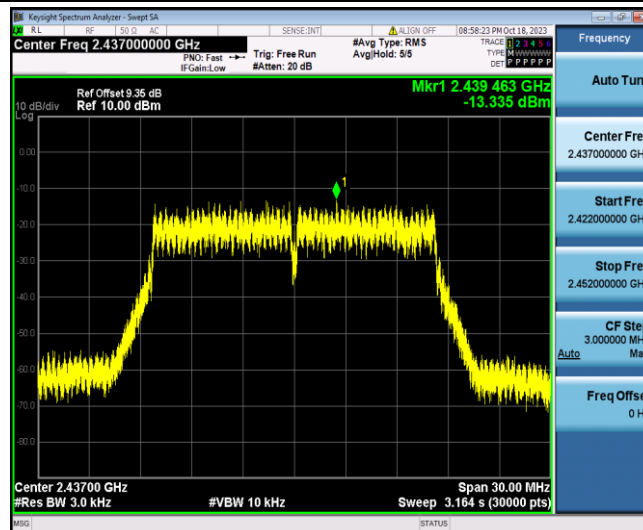
11B_Ant1_2437



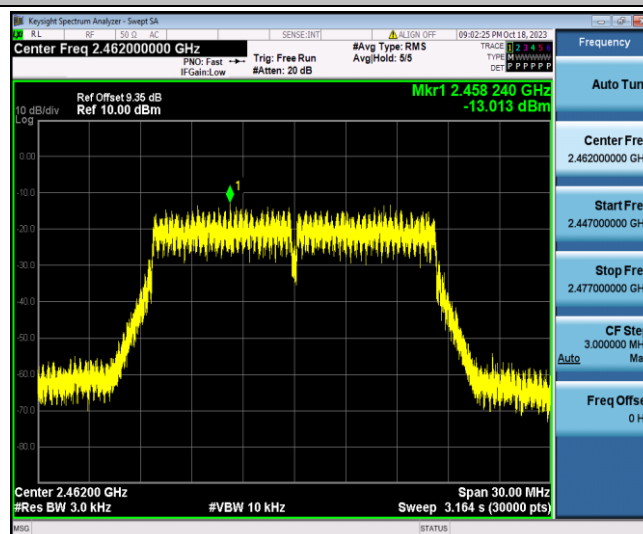
11B_Ant1_2462



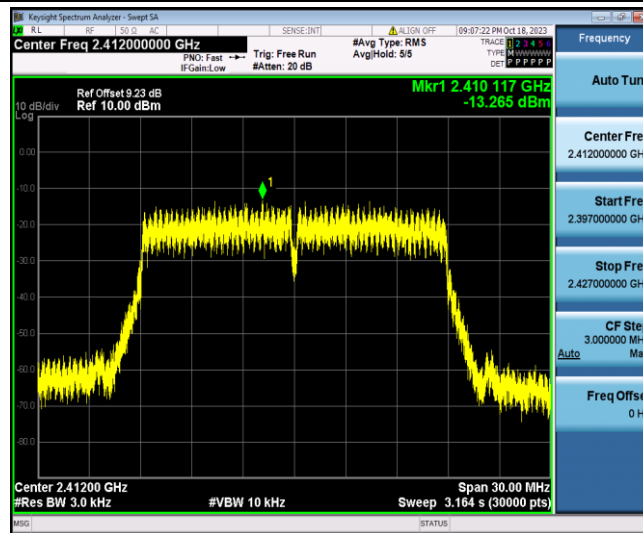
11G_Ant1_2412



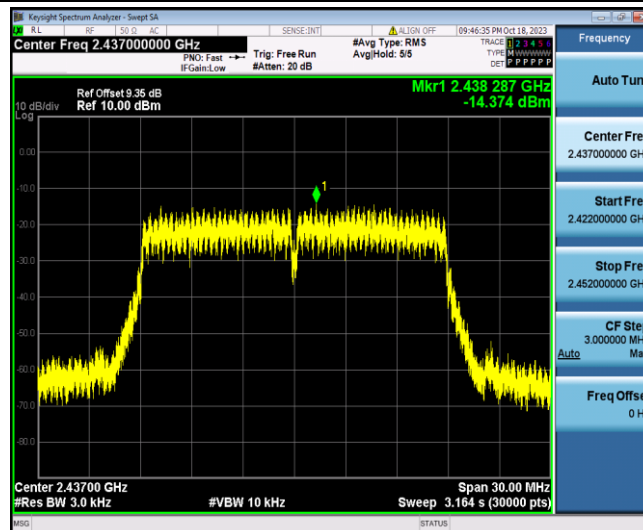
11G_Ant1_2437



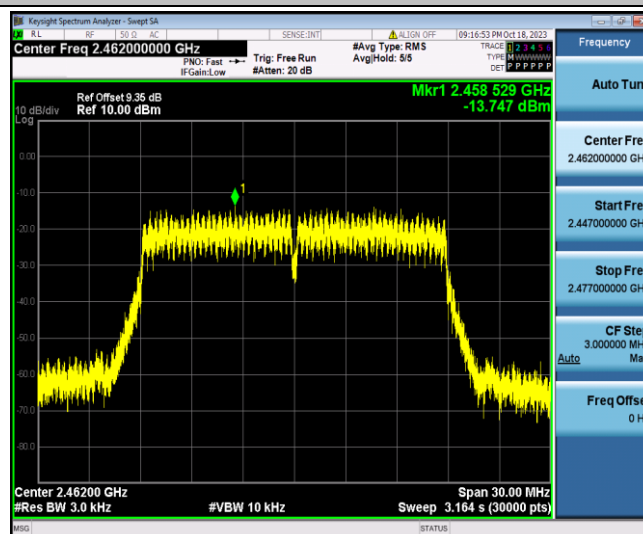
11G_Ant1_2462



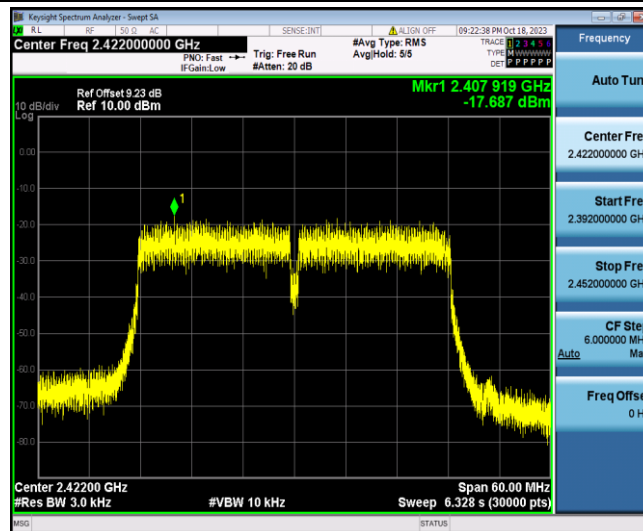
11N20SISO_Ant1_2412



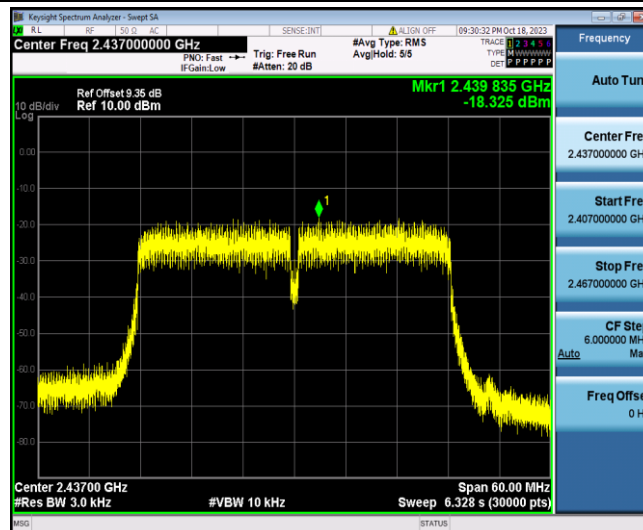
11N20SISO_Ant1_2437



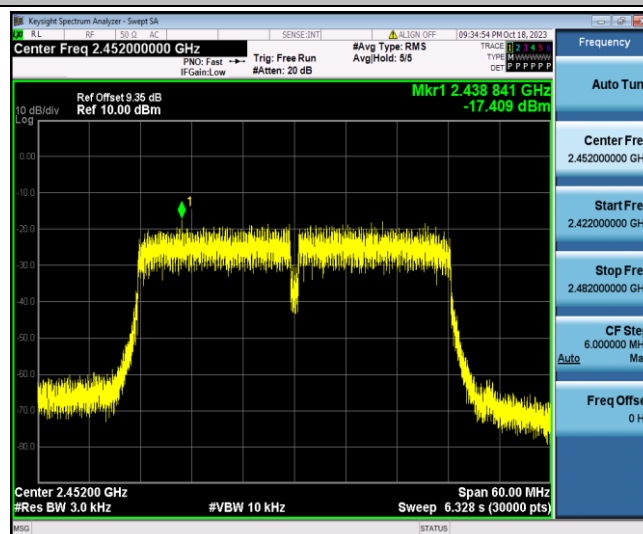
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



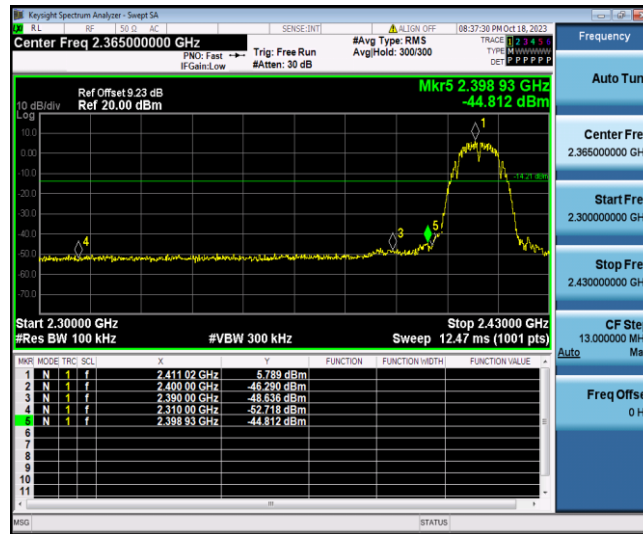
11N40SISO_Ant1_2452

Appendix A.5: Band edge measurements

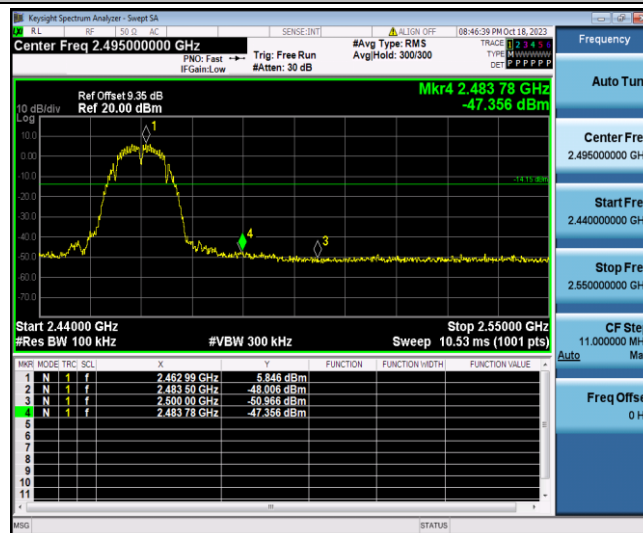
Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.79	-44.81	≤ -14.21	PASS
		High	2462	5.85	-47.36	≤ -14.15	PASS
11G	Ant1	Low	2412	0.95	-39.29	≤ -19.05	PASS
		High	2462	0.96	-47.63	≤ -19.05	PASS
11N20SISO	Ant1	Low	2412	0.69	-40.21	≤ -19.32	PASS
		High	2462	0.97	-44.3	≤ -19.03	PASS
11N40SISO	Ant1	Low	2422	-3.57	-41.97	≤ -23.57	PASS
		High	2452	-3.40	-48.01	≤ -23.4	PASS

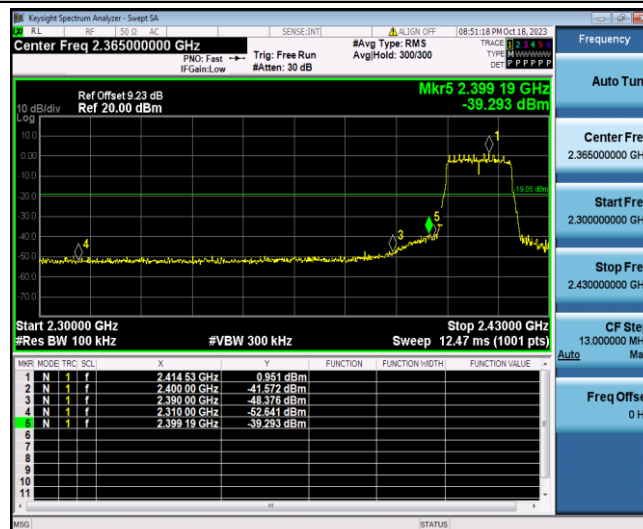
Test Graphs



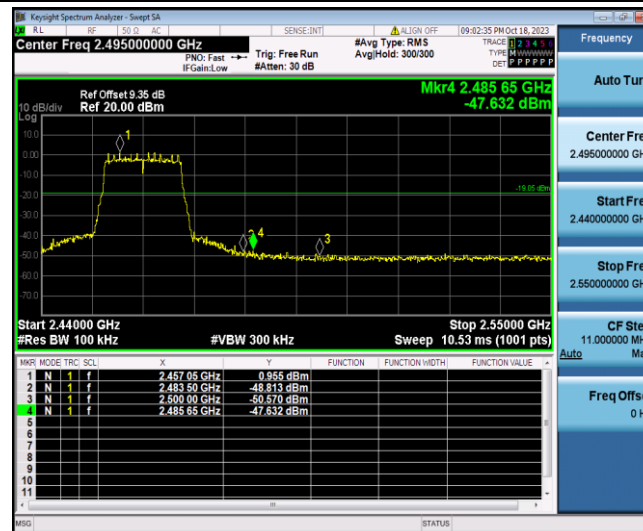
11B_Ant1_Low_2412



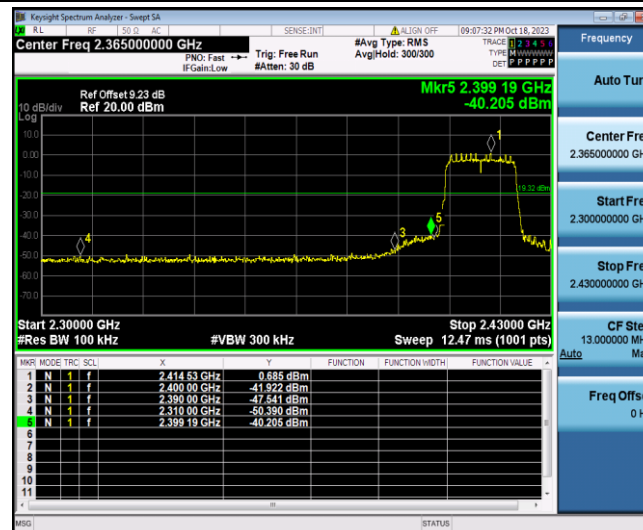
11B_Ant1_High_2462



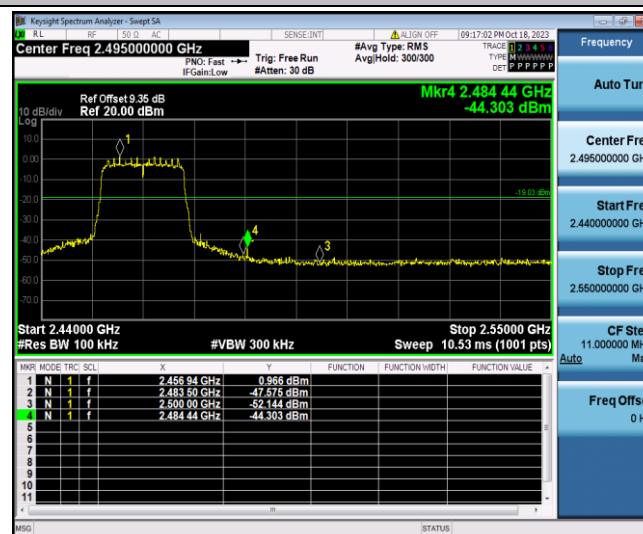
11G_Ant1_Low_2412



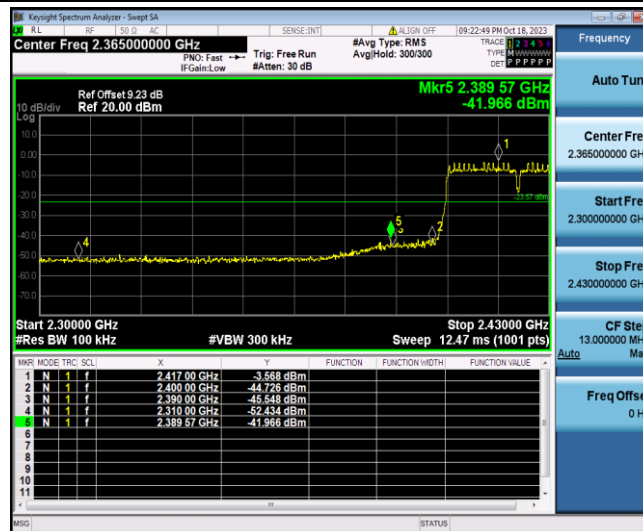
11G_Ant1_High_2462



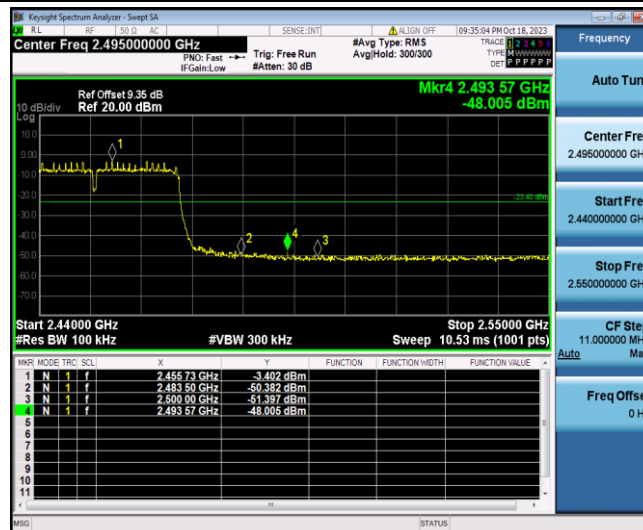
11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452