

Case No. : <u>CTA24051100403</u>	
Ambient Condition: <u>24</u> °C, <u>50</u> %RH,	
Test Date: <u>2024.5.13</u>	Test Engineer: <u>Evan ouyang</u>

Appendix C.1: DTS Bandwidth

Test Result

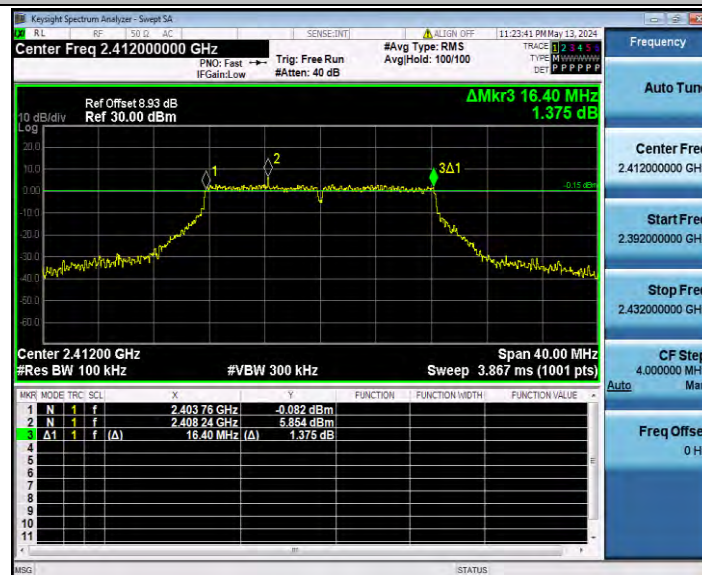
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.960	2407.000	2415.960	0.5	PASS
		2437	8.080	2432.960	2441.040	0.5	PASS
		2462	9.040	2457.480	2466.520	0.5	PASS
11G	Ant1	2412	16.400	2403.760	2420.160	0.5	PASS
		2437	16.400	2428.800	2445.200	0.5	PASS
		2462	16.480	2453.760	2470.240	0.5	PASS
11N20SISO	Ant1	2412	17.640	2403.160	2420.800	0.5	PASS
		2437	17.600	2428.200	2445.800	0.5	PASS
		2462	17.760	2453.080	2470.840	0.5	PASS
11N40SISO	Ant1	2422	36.400	2403.760	2440.160	0.5	PASS
		2437	36.320	2418.840	2455.160	0.5	PASS
		2452	36.320	2433.840	2470.160	0.5	PASS
11AX20SISO	Ant1	2412	19.000	2402.480	2421.480	0.5	PASS
		2437	19.000	2427.520	2446.520	0.5	PASS
		2462	19.080	2452.440	2471.520	0.5	PASS
11AX40SISO	Ant1	2422	37.840	2403.040	2440.880	0.5	PASS
		2437	38.160	2417.880	2456.040	0.5	PASS
		2452	37.840	2433.120	2470.960	0.5	PASS

Test Graphs





11G_Ant1_2412



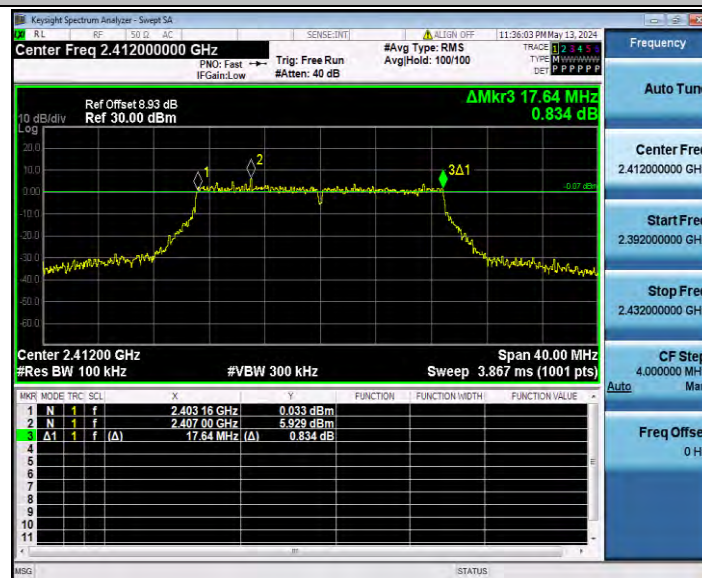
11G_Ant1_2437



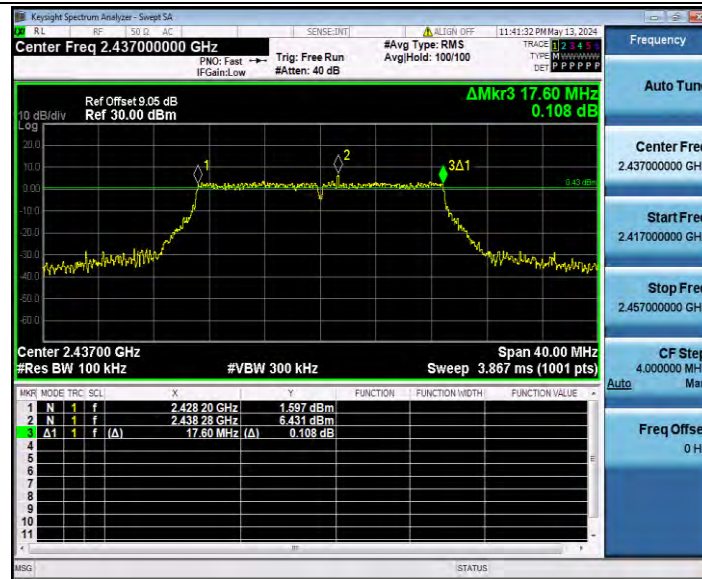
11G_Ant1_2462



11N20SISO_Ant1_2412



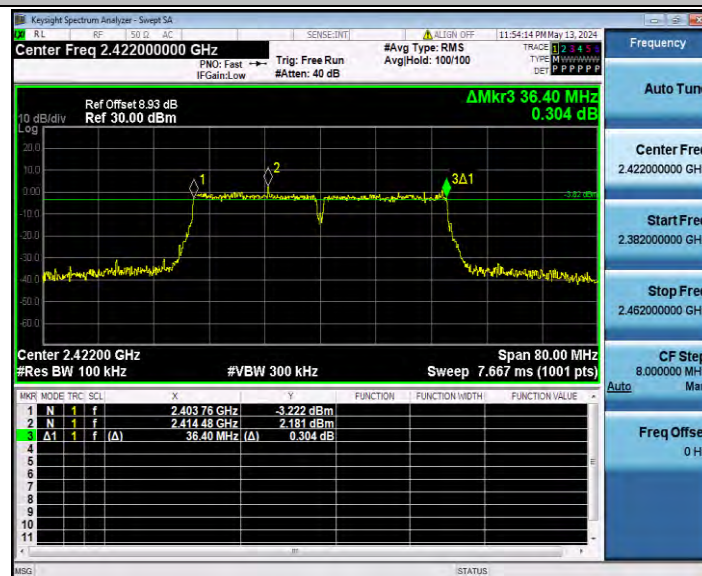
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



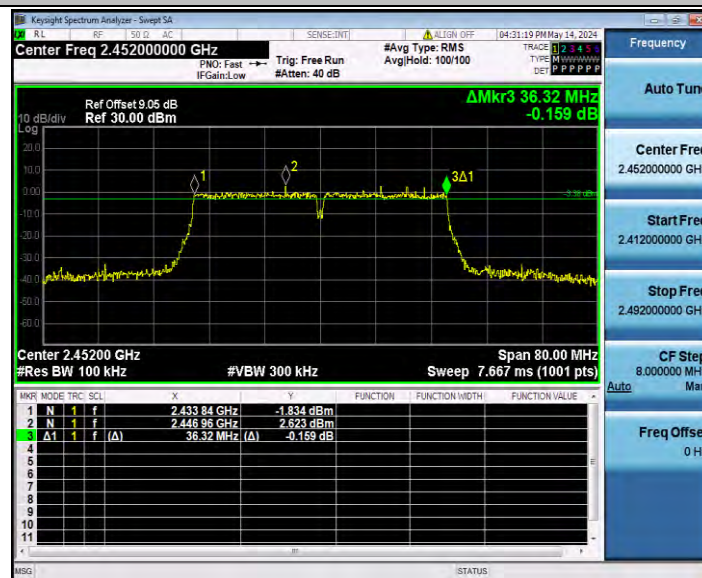
11N40SISO_Ant1_2422



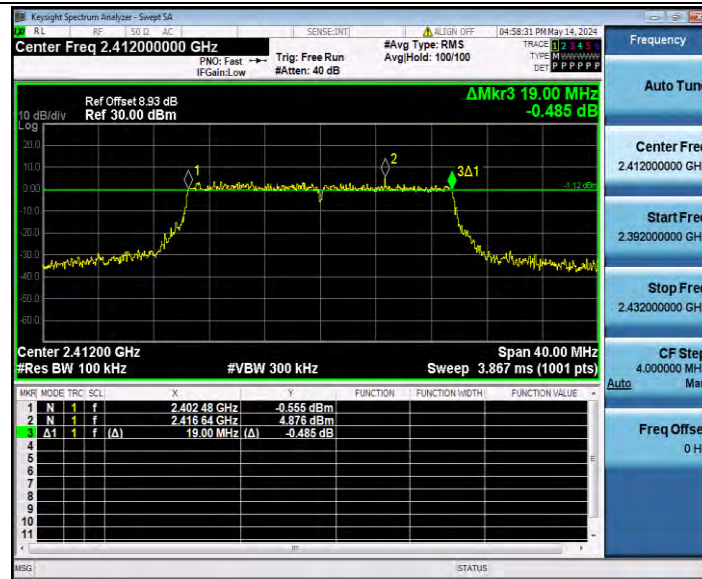
11N40SISO_Ant1_2437



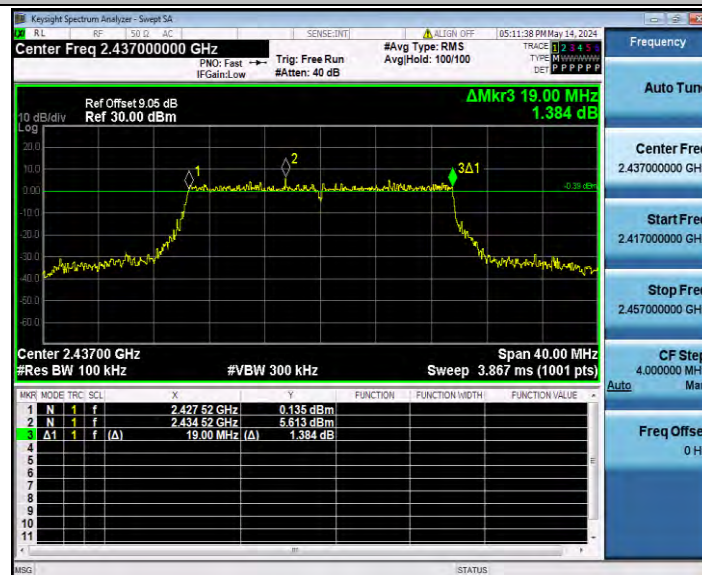
11N40SISO_Ant1_2452



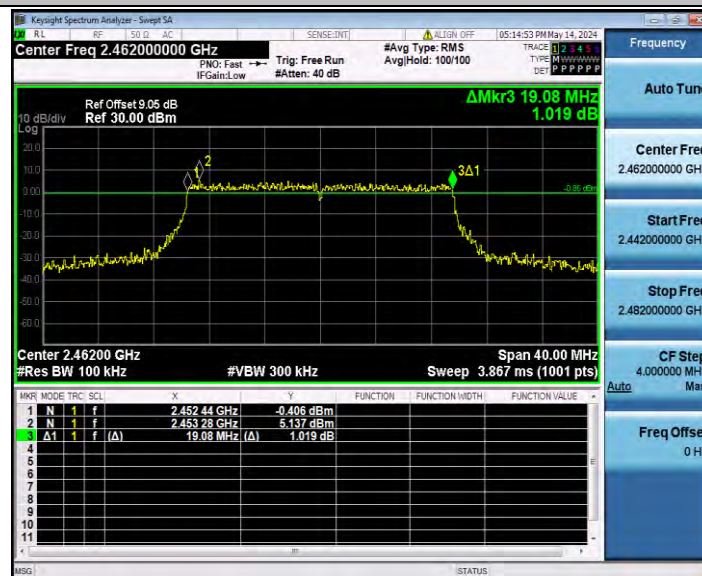
11AX20SISO_Ant1_2412



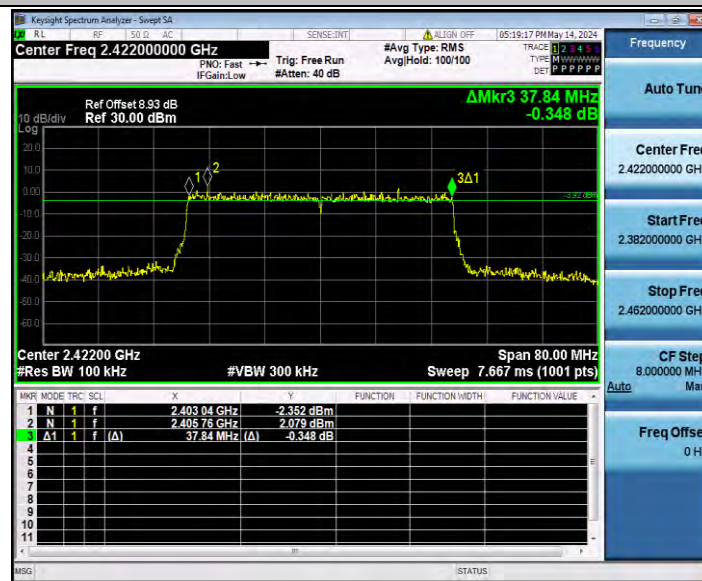
11AX20SISO_Ant1_2437



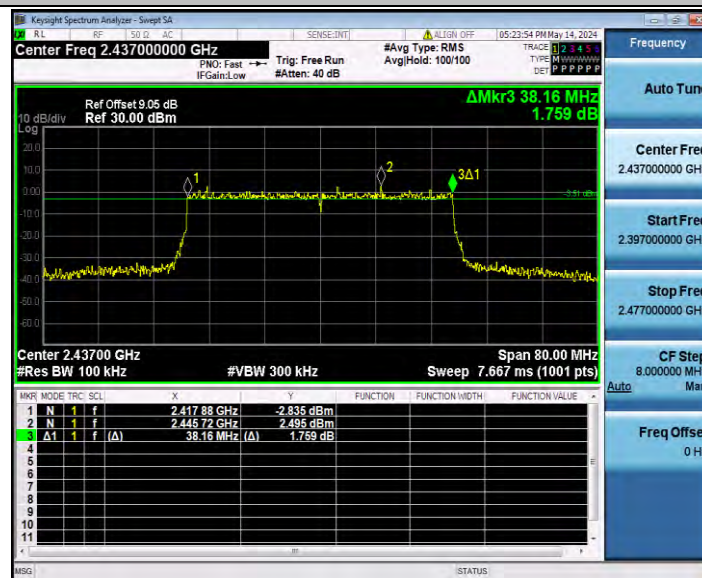
11AX20SISO_Ant1_2462



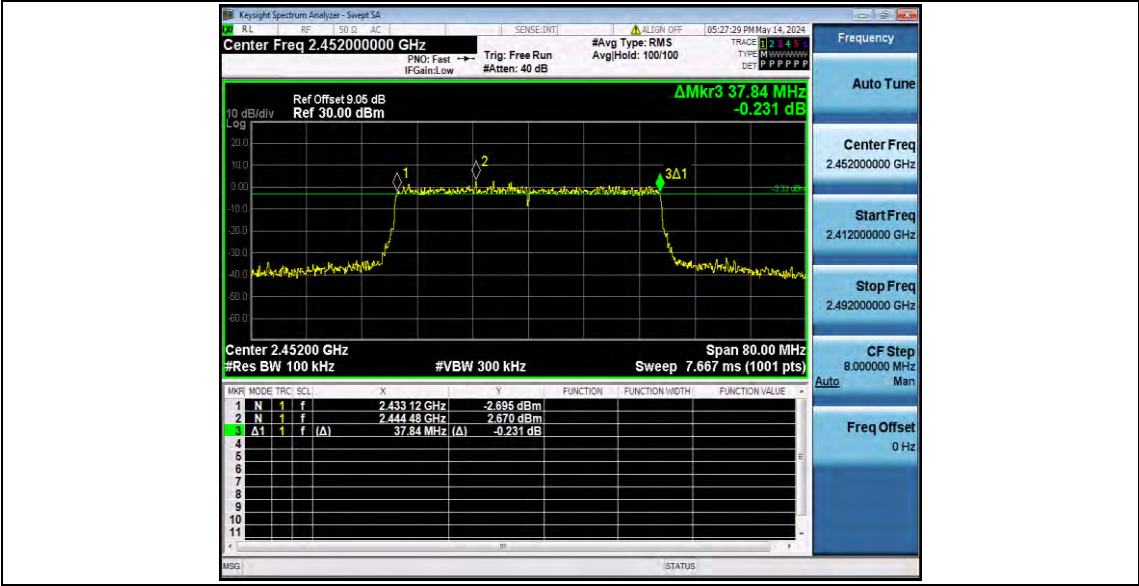
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



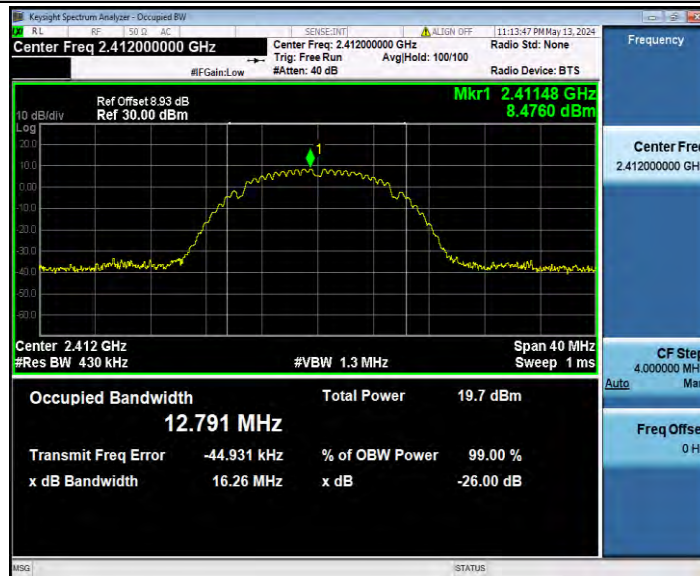
Appendix C.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.791	2405.5596	2418.3506	---	---
		2437	12.791	2430.6160	2443.4070	---	---
		2462	12.779	2455.5894	2468.3684	---	---
11G	Ant1	2412	17.540	2403.1208	2420.6608	---	---
		2437	17.641	2428.1687	2445.8097	---	---
		2462	17.490	2453.1532	2470.6432	---	---
11N20SISO	Ant1	2412	18.426	2402.7429	2421.1689	---	---
		2437	18.373	2427.8097	2446.1827	---	---
		2462	18.389	2452.7502	2471.1392	---	---
11N40SISO	Ant1	2422	36.830	2403.5818	2440.4118	---	---
		2437	36.680	2418.6792	2455.3592	---	---
		2452	36.602	2433.6766	2470.2786	---	---
11AX20SISO	Ant1	2412	19.229	2402.3261	2421.5551	---	---
		2437	19.199	2427.3983	2446.5973	---	---
		2462	19.226	2452.3646	2471.5906	---	---
11AX40SISO	Ant1	2422	38.056	2402.9533	2441.0093	---	---
		2437	38.076	2417.9217	2455.9977	---	---
		2452	37.956	2433.0568	2471.0128	---	---

Test Graphs

11B_Ant1_2412



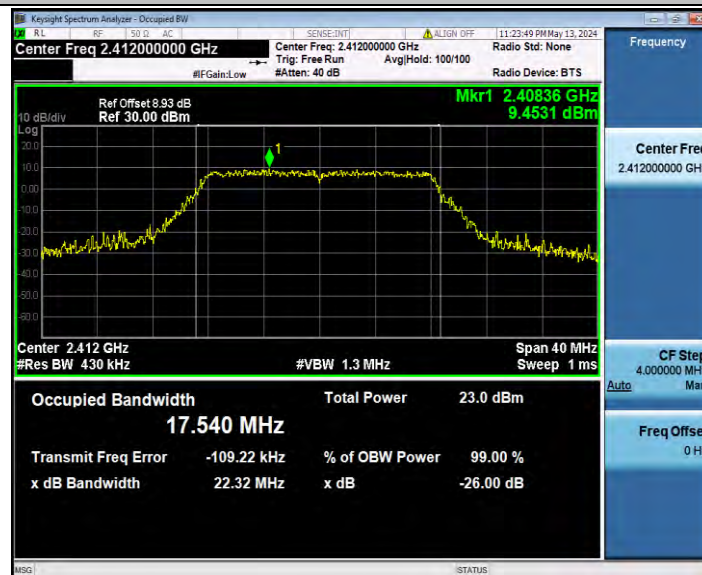
11B_Ant1_2437



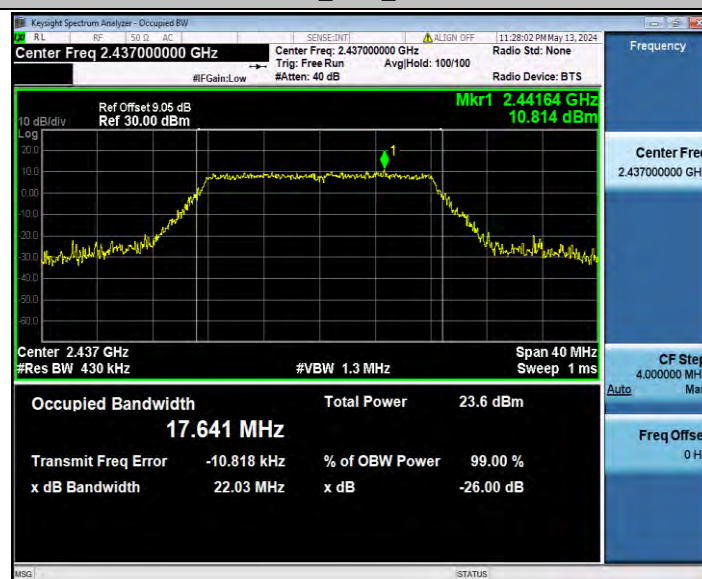
11B_Ant1_2462



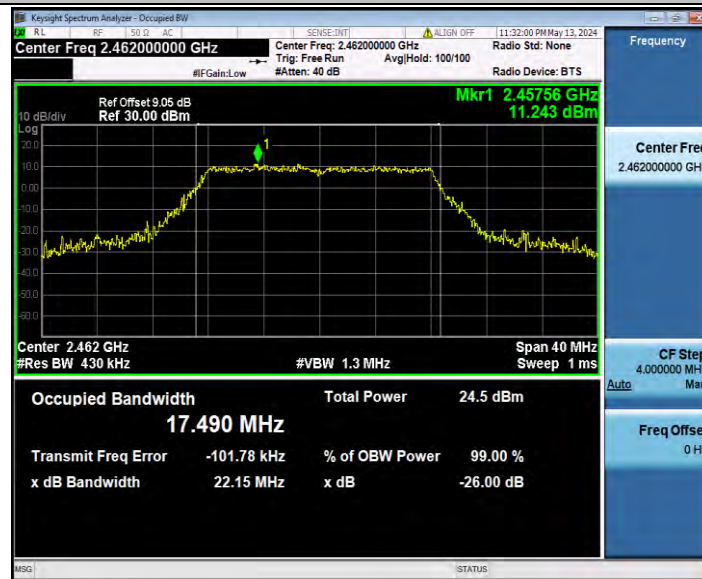
11G_Ant1_2412



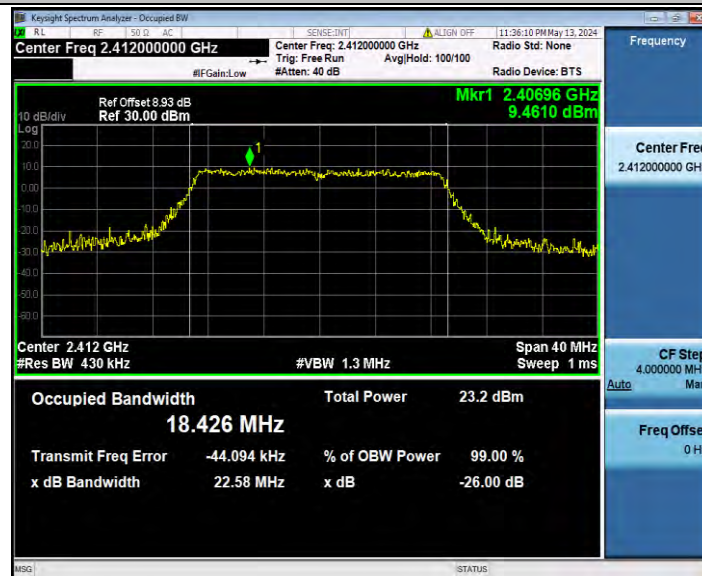
11G_Ant1_2437



11G_Ant1_2462



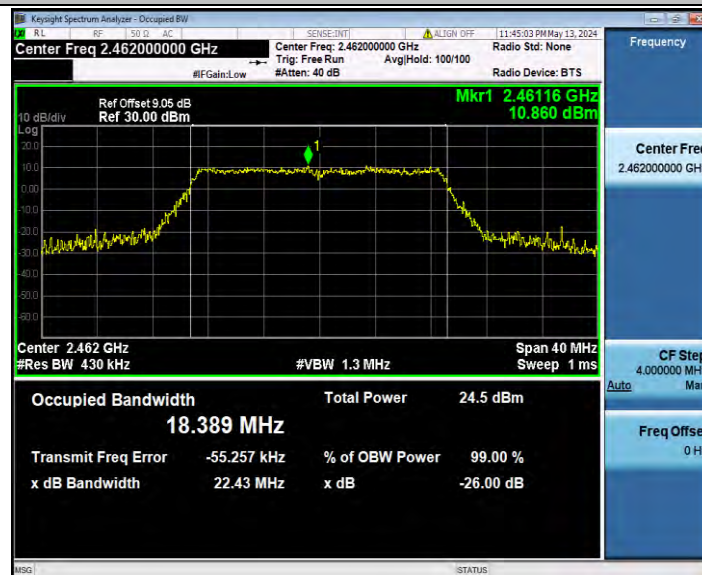
11N20SISO_Ant1_2412



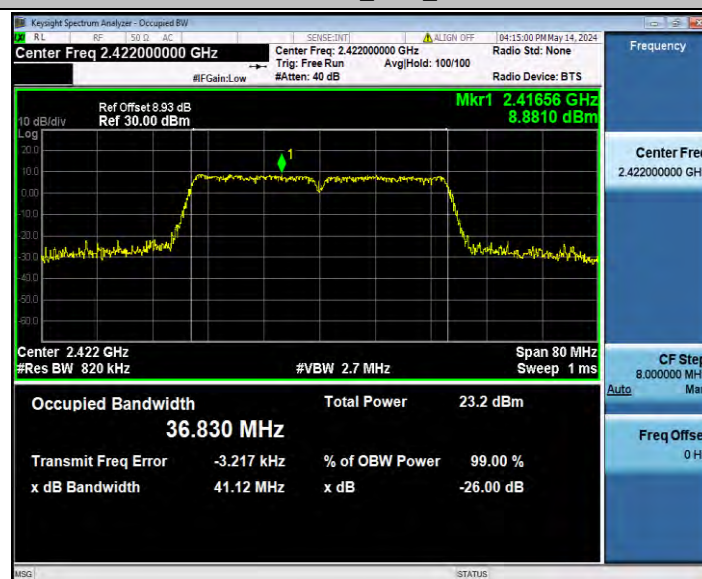
11N20SISO_Ant1_2437



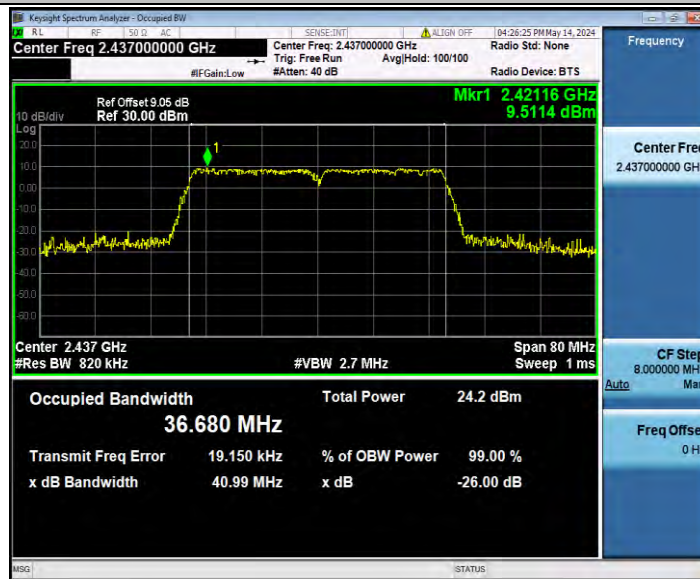
11N20SISO_Ant1_2462



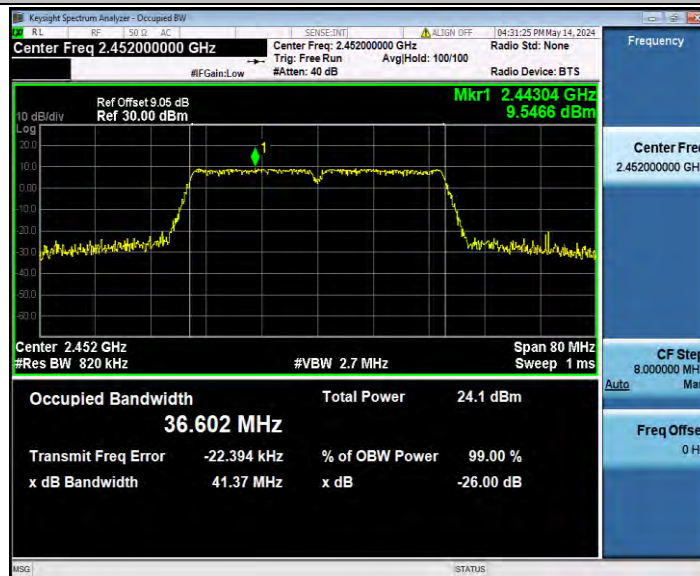
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



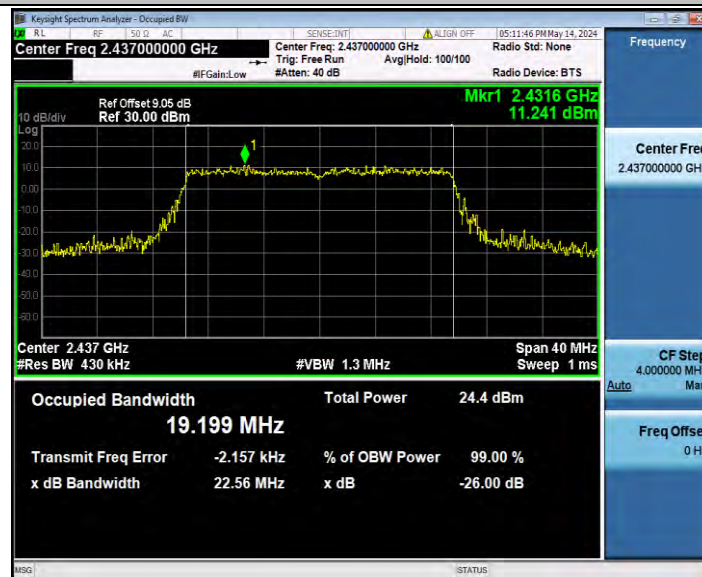
11N40SISO_Ant1_2452



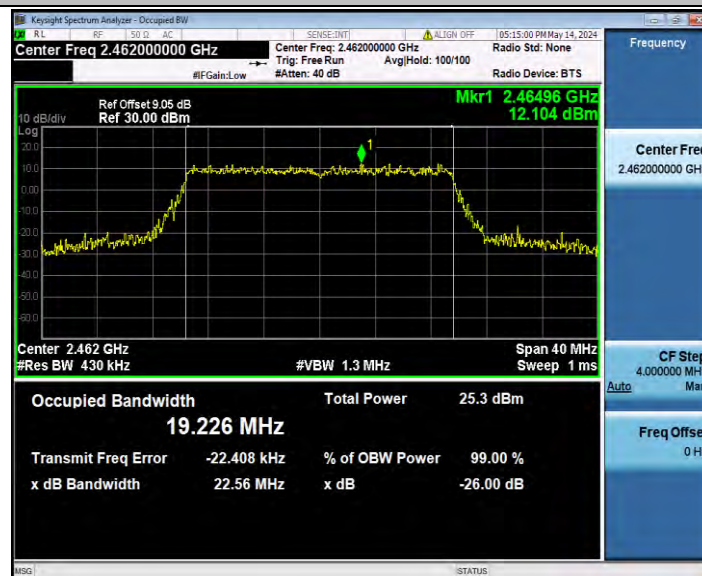
11AX20SISO_Ant1_2412



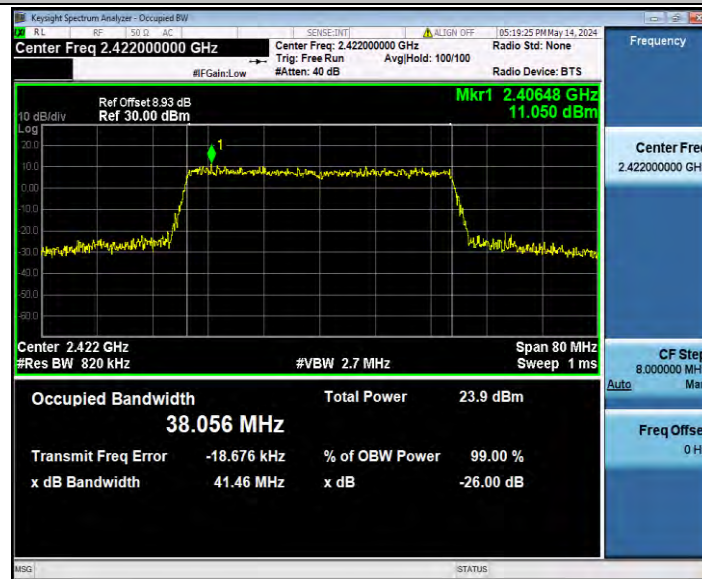
11AX20SISO_Ant1_2437



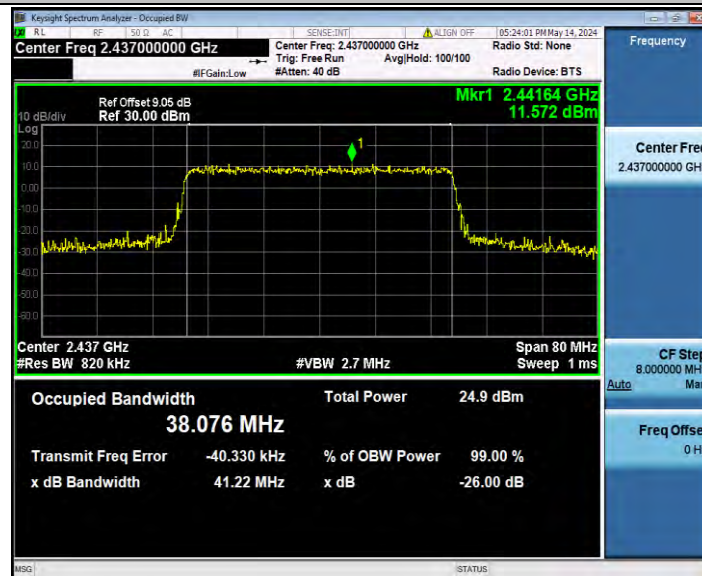
11AX20SISO_Ant1_2462



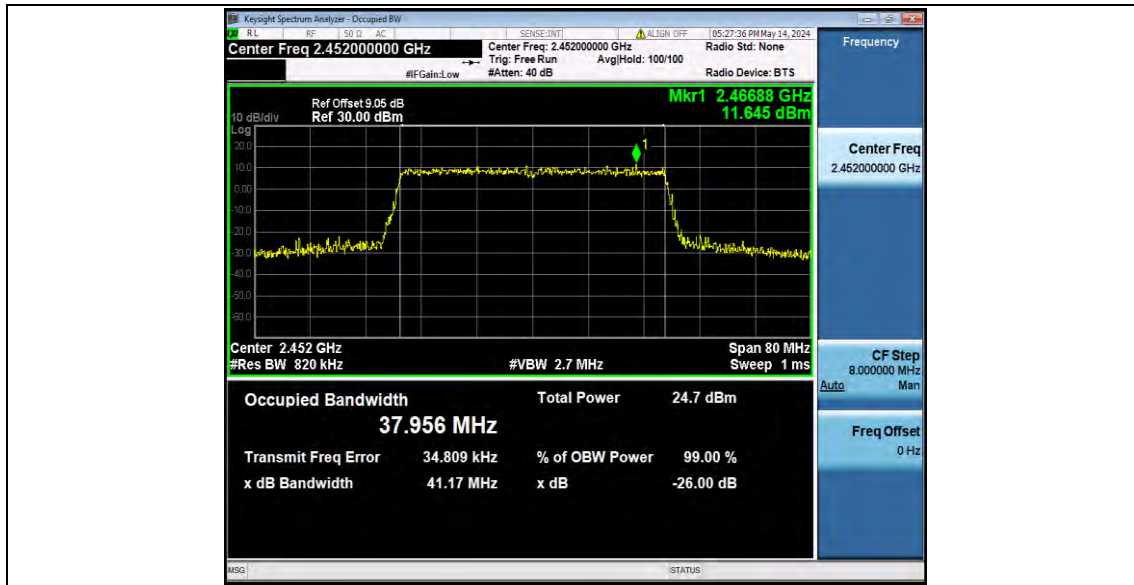
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



Appendix C.3: Maximum conducted output power

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	19.85	≤30.00	PASS
		2437	20.34	≤30.00	PASS
		2462	21.14	≤30.00	PASS
11G	Ant1	2412	24.14	≤30.00	PASS
		2437	24.71	≤30.00	PASS
		2462	25.59	≤30.00	PASS
11N20SISO	Ant1	2412	24.32	≤30.00	PASS
		2437	25.00	≤30.00	PASS
		2462	25.72	≤30.00	PASS
11N40SISO	Ant1	2422	23.60	≤30.00	PASS
		2437	24.35	≤30.00	PASS
		2452	24.35	≤30.00	PASS
11AX20SISO	Ant1	2412	24.57	≤30.00	PASS
		2437	25.23	≤30.00	PASS
		2462	25.96	≤30.00	PASS
11AX40SISO	Ant1	2422	24.02	≤30.00	PASS
		2437	24.93	≤30.00	PASS
		2452	24.76	≤30.00	PASS

Note:

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

Appendix C.4: Maximum power spectral density

Test Result

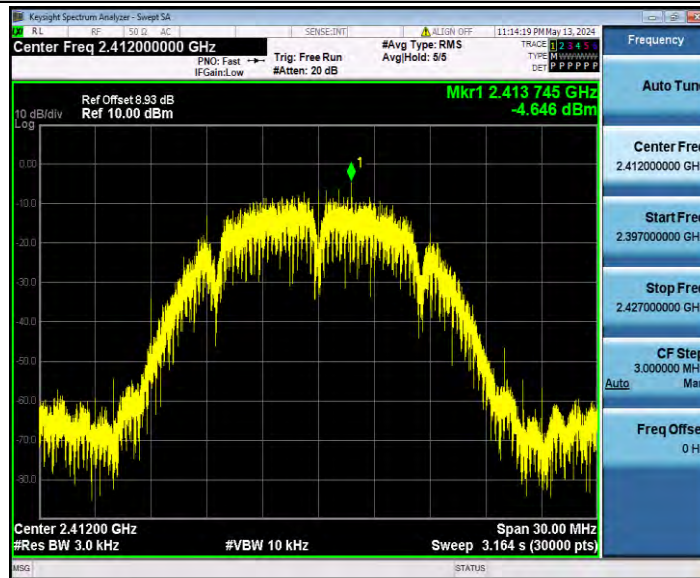
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-4.65	≤8.00	PASS
		2437	-4.91	≤8.00	PASS
		2462	-5.15	≤8.00	PASS
11G	Ant1	2412	-8.44	≤8.00	PASS
		2437	-6.72	≤8.00	PASS
		2462	-7.82	≤8.00	PASS
11N20SISO	Ant1	2412	-7.55	≤8.00	PASS
		2437	-8.21	≤8.00	PASS
		2462	-6.62	≤8.00	PASS
11N40SISO	Ant1	2422	-12.05	≤8.00	PASS
		2437	-10.87	≤8.00	PASS
		2452	-11.33	≤8.00	PASS
11AX20SISO	Ant1	2412	-8.01	≤8.00	PASS
		2437	-9.04	≤8.00	PASS
		2462	-8.06	≤8.00	PASS
11AX40SISO	Ant1	2422	-12.23	≤8.00	PASS
		2437	-11.54	≤8.00	PASS
		2452	-12.15	≤8.00	PASS

Note:

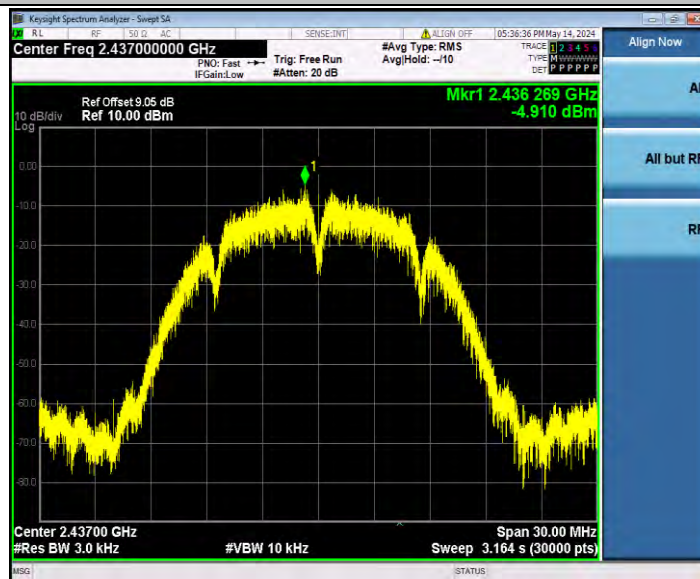
1. The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

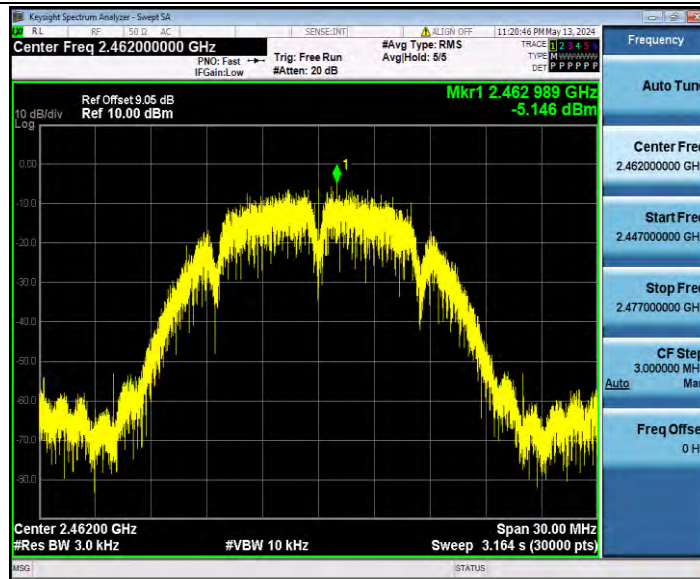
11B_Ant1_2412



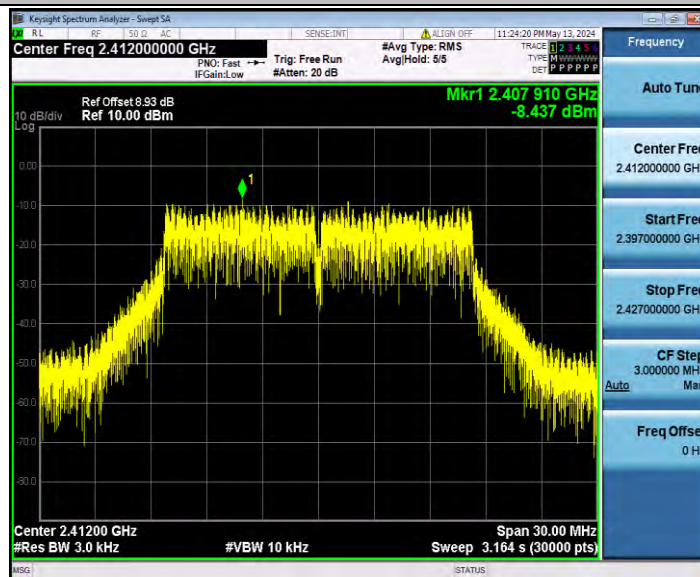
11B_Ant1_2437



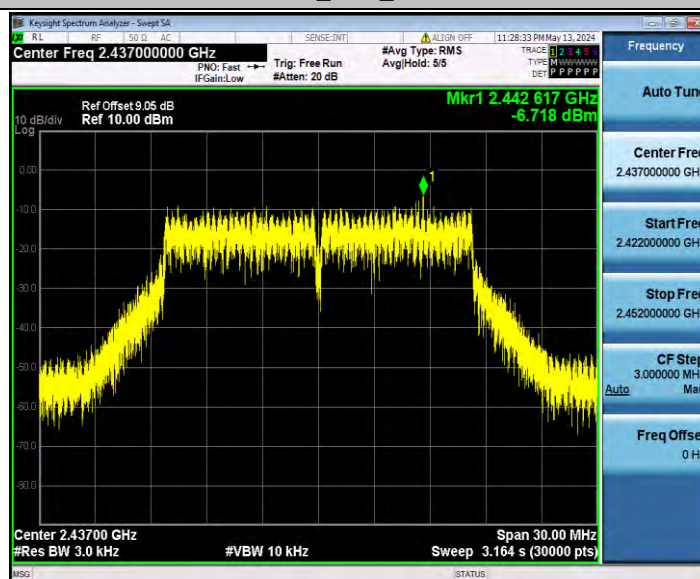
11B_Ant1_2462



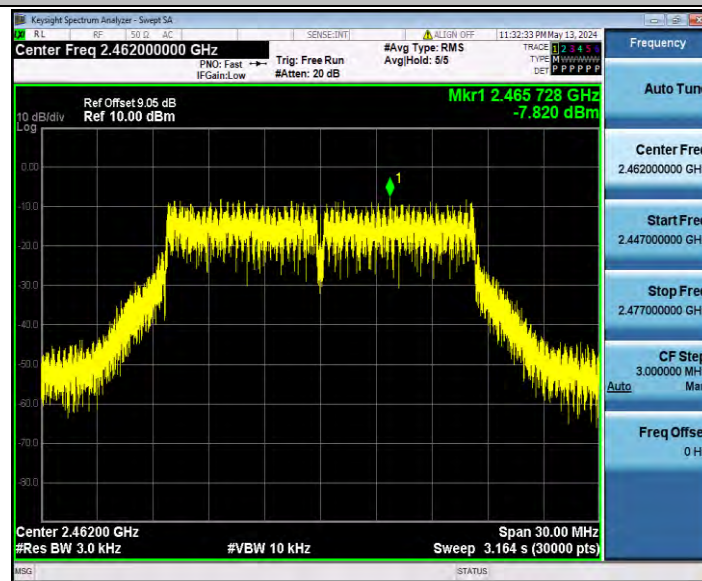
11G_Ant1_2412



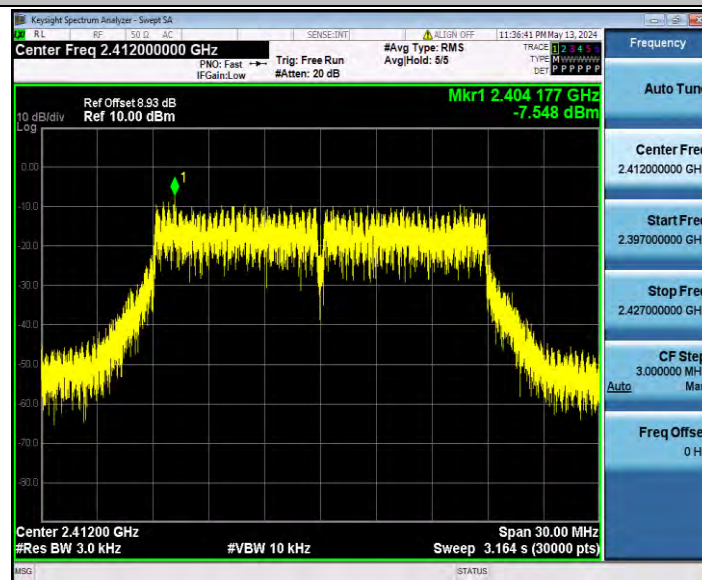
11G_Ant1_2437



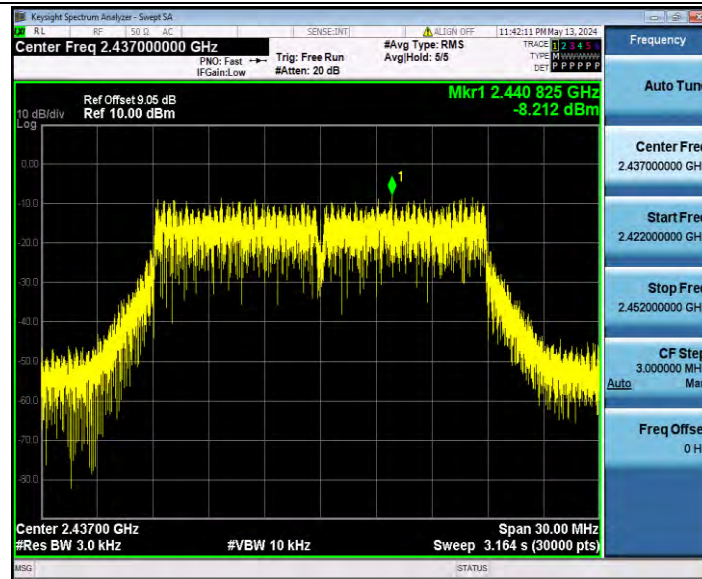
11G_Ant1_2462



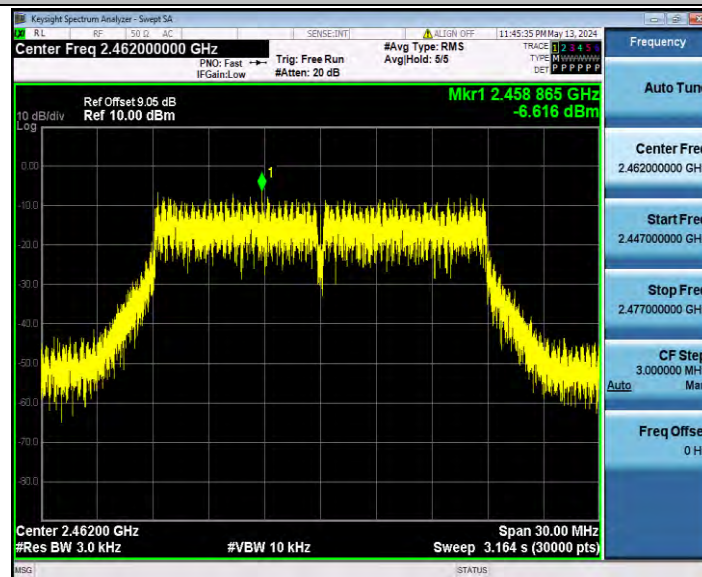
11N20SISO_Ant1_2412



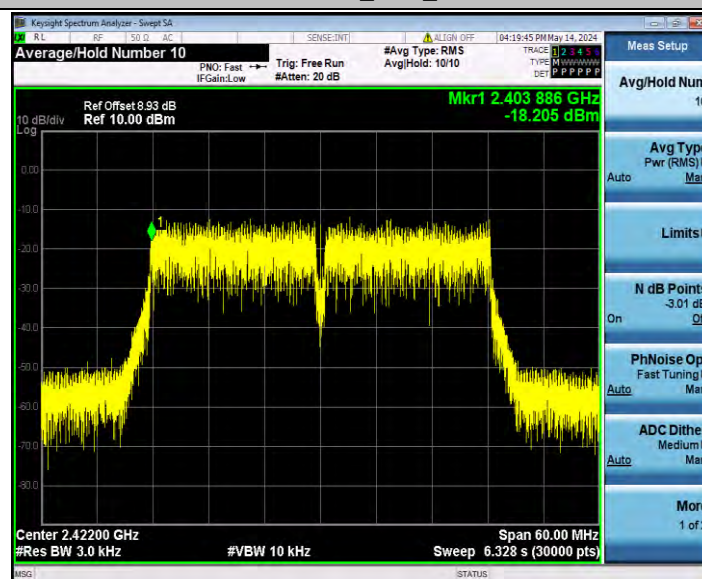
11N20SISO_Ant1_2437



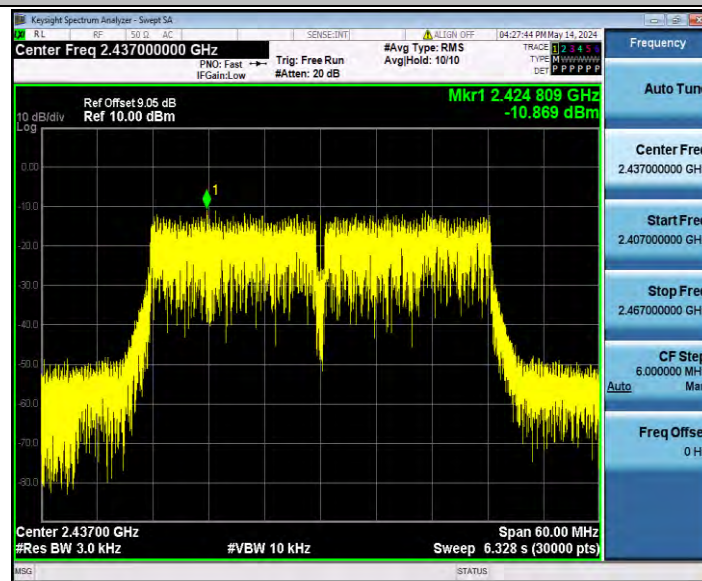
11N20SISO_Ant1_2462



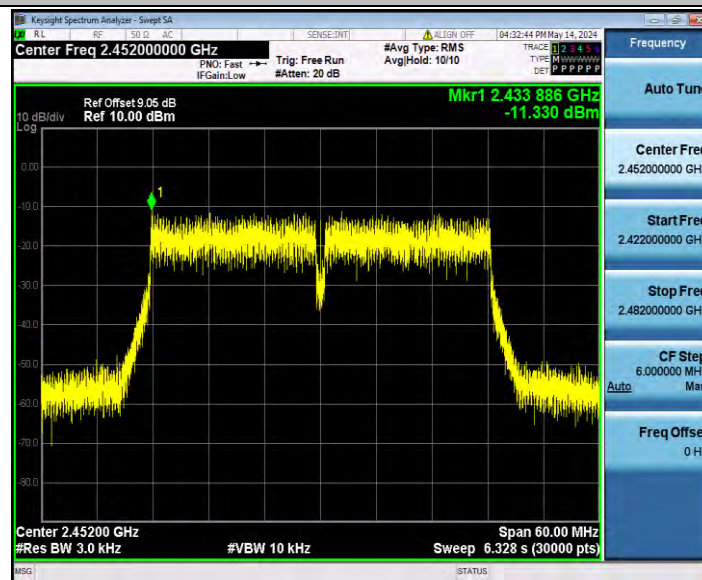
11N40SISO_Ant1_2422



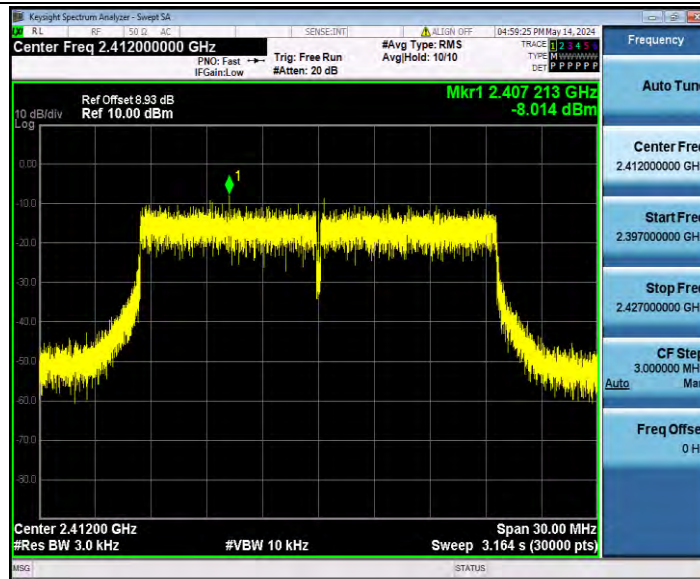
11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



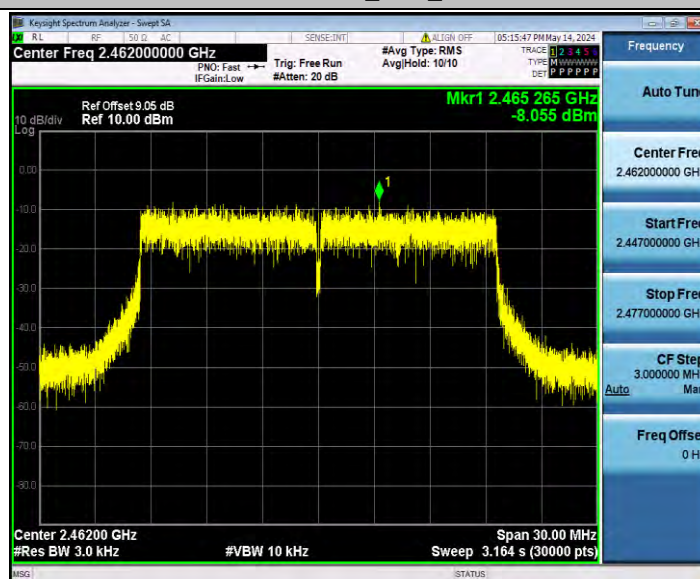
11AX20SISO_Ant1_2412



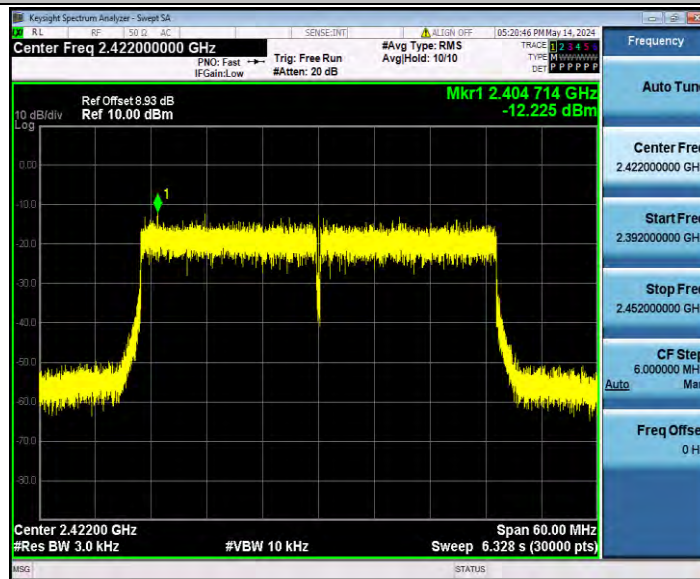
11AX20SISO_Ant1_2437



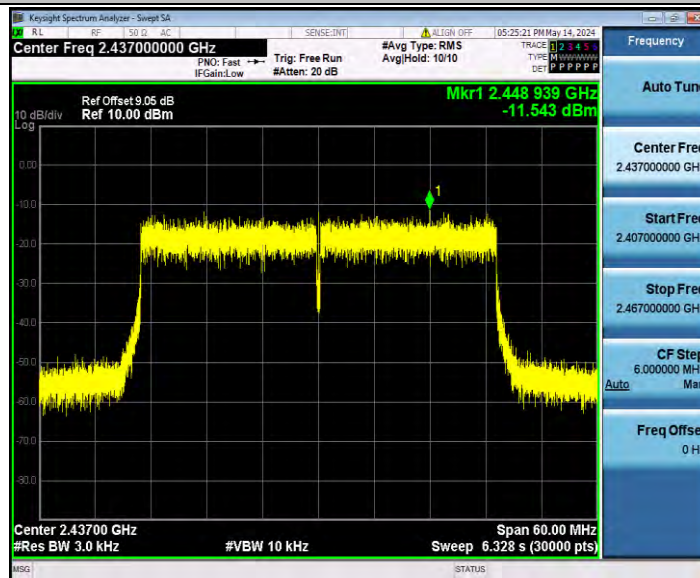
11AX20SISO_Ant1_2462



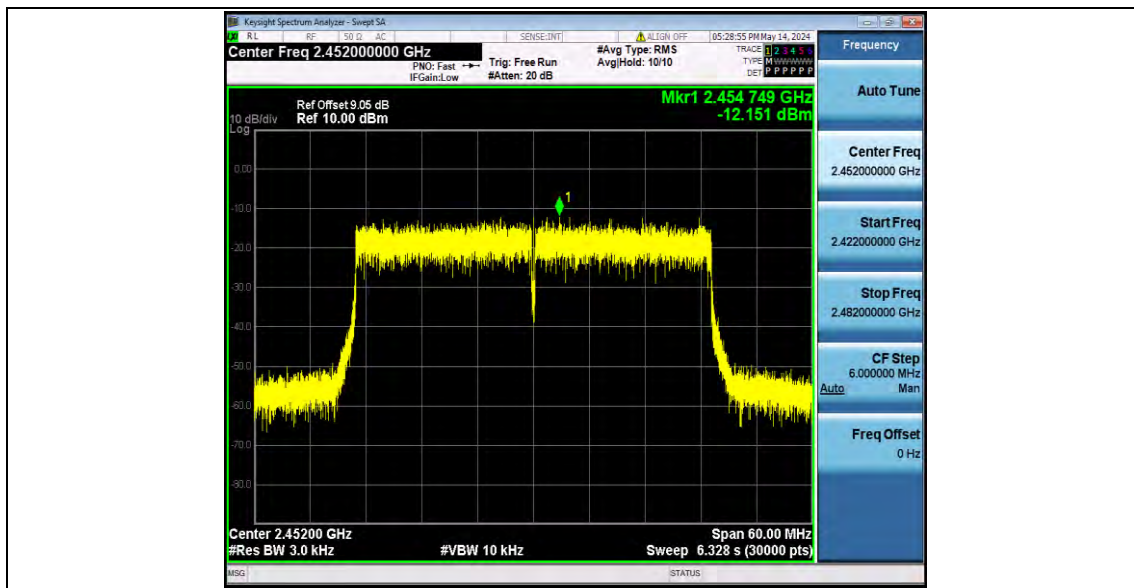
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452

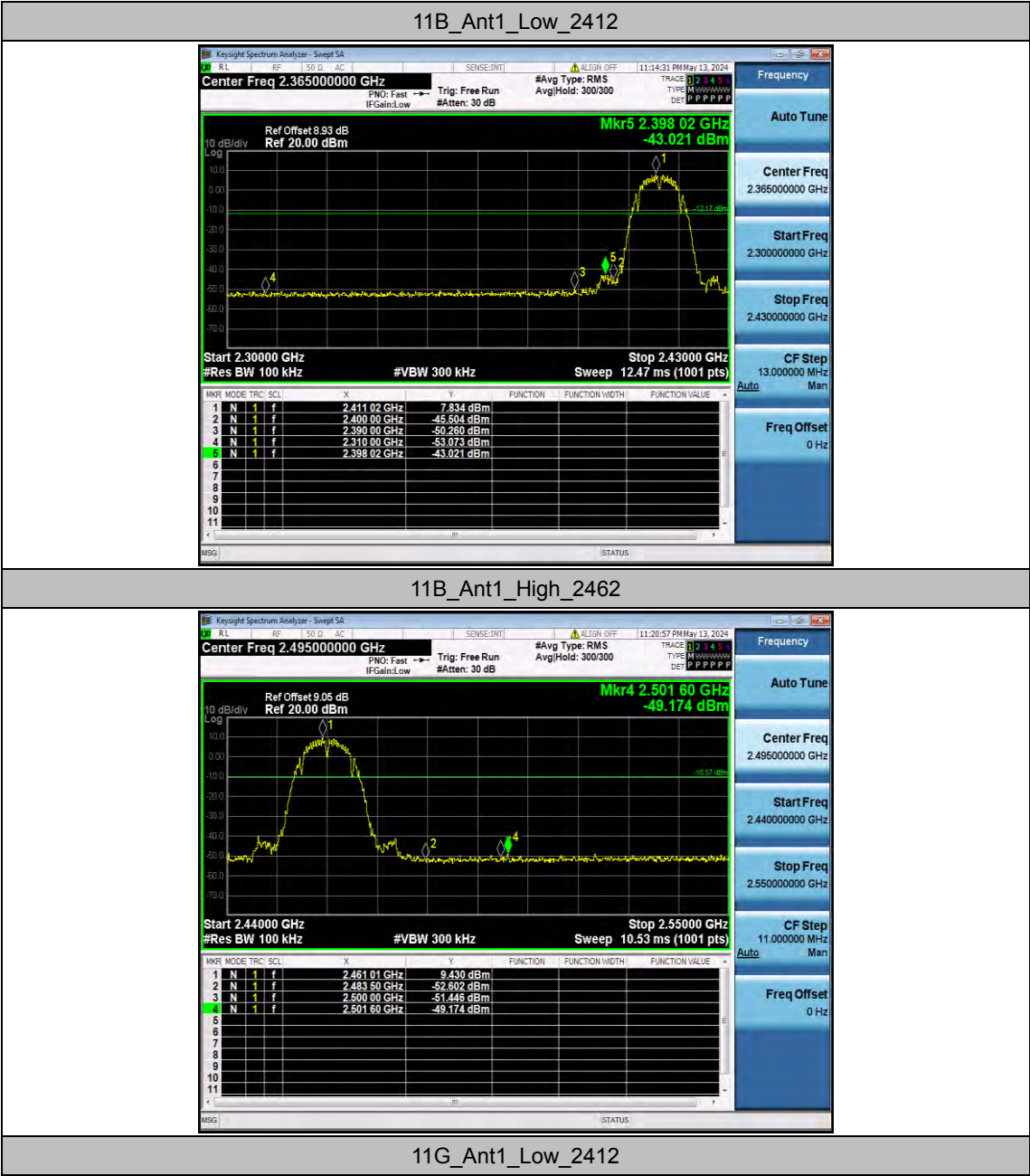


Appendix C.5: Band edge measurements

Test Result

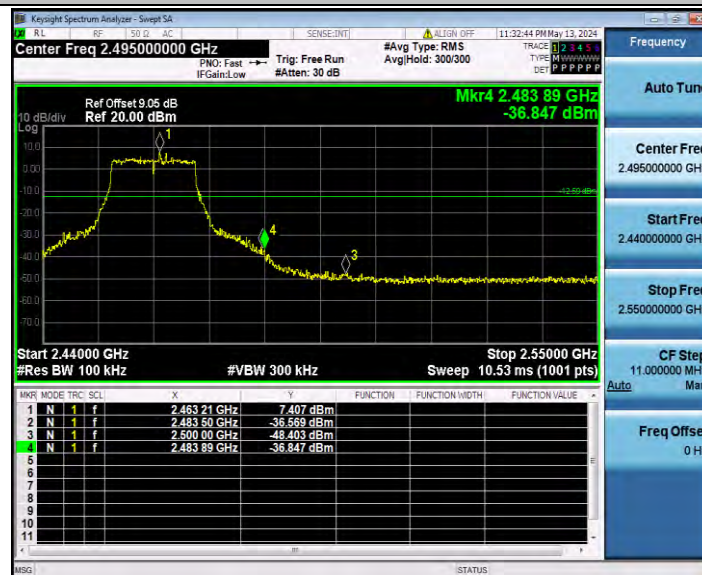
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	7.83	-43.02	≤ -12.17	PASS
		High	2462	9.43	-49.17	≤ -10.57	PASS
11G	Ant1	Low	2412	3.85	-24.74	≤ -16.15	PASS
		High	2462	7.41	-36.85	≤ -12.59	PASS
11N20SISO	Ant1	Low	2412	5.84	-25.24	≤ -14.16	PASS
		High	2462	5.42	-35.64	≤ -14.58	PASS
11N40SISO	Ant1	Low	2422	3.11	-32.77	≤ -16.89	PASS
		High	2452	3.01	-34.55	≤ -16.99	PASS
11AX20SISO	Ant1	Low	2412	4.90	-24.93	≤ -15.1	PASS
		High	2462	6.31	-33.32	≤ -13.69	PASS
11AX40SISO	Ant1	Low	2422	1.65	-30.85	≤ -18.35	PASS
		High	2452	2.41	-35.82	≤ -17.59	PASS

Test Graphs

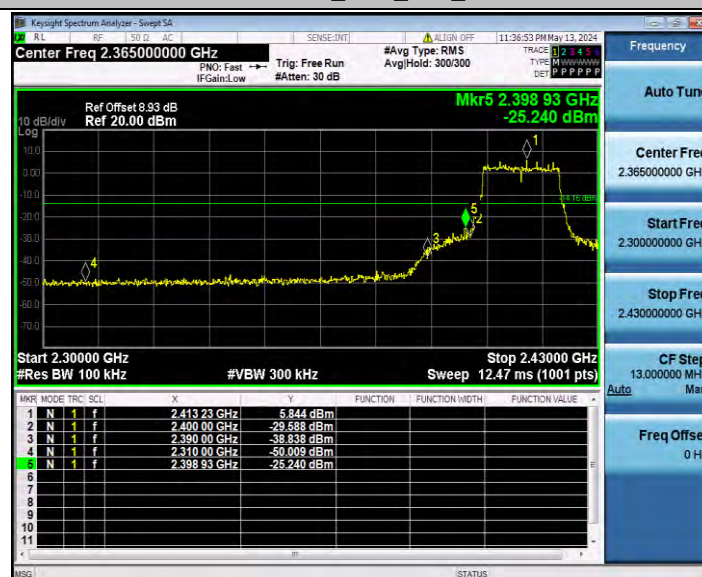




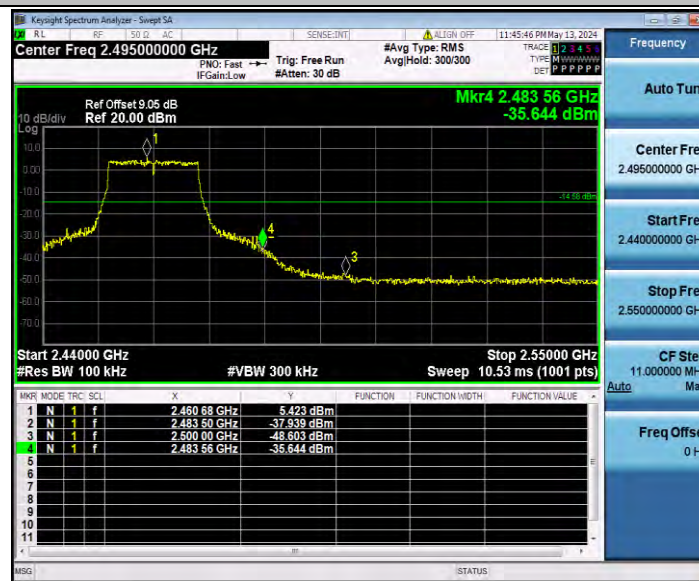
11G_Ant1_High_2462



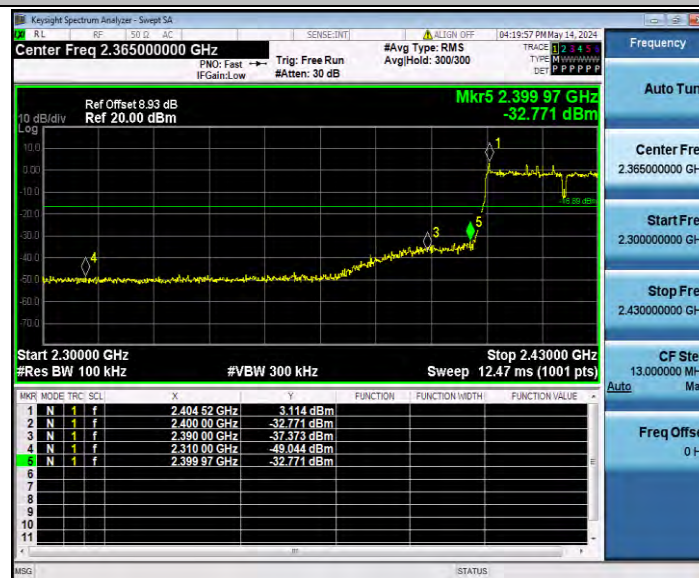
11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



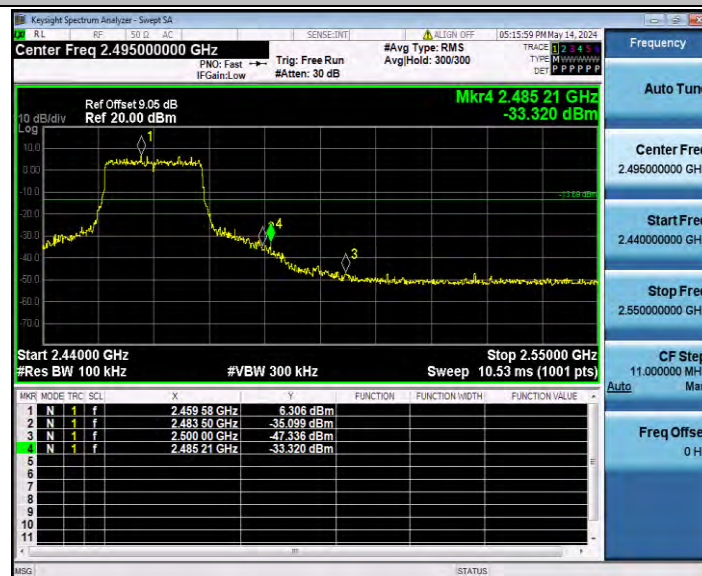
11N40SISO_Ant1_High_2452



11AX20SISO_Ant1_Low_2412



11AX20SISO_Ant1_High_2462



11AX40SISO_Ant1_Low_2422



11AX40SISO_Ant1_High_2452

