

Case No. : <u>CTA24070301903</u>	
Ambient Condition: <u>24</u> °C, <u>51</u> %RH,	
Test Date: <u>2024.7.8</u>	Test Engineer: <u>Lushan Kong</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	10.080	2406.960	2417.040	0.5	PASS
		2437	10.080	2431.960	2442.040	0.5	PASS
		2462	10.080	2456.960	2467.040	0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	0.5	PASS
		2437	16.320	2428.840	2445.160	0.5	PASS
		2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.560	2403.240	2420.800	0.5	PASS
		2437	17.560	2428.240	2445.800	0.5	PASS
		2462	17.520	2453.240	2470.760	0.5	PASS
11N40SISO	Ant1	2422	36.320	2403.840	2440.160	0.5	PASS
		2437	36.320	2418.840	2455.160	0.5	PASS
		2452	36.080	2434.080	2470.160	0.5	PASS

Test Graphs

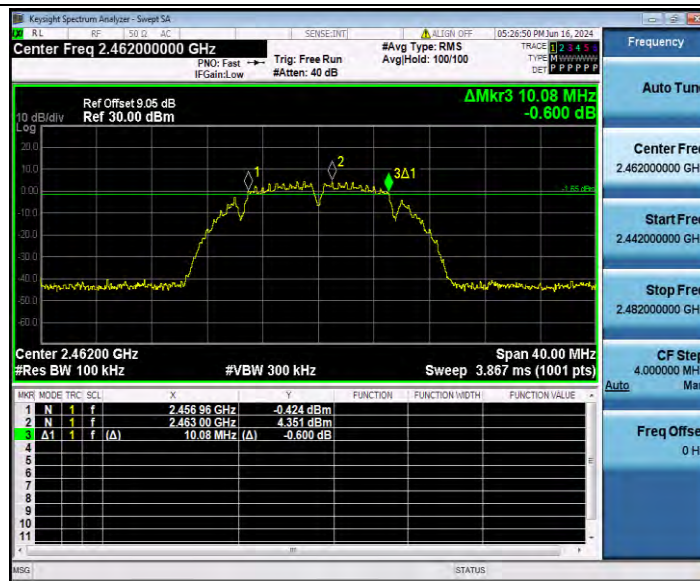
11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



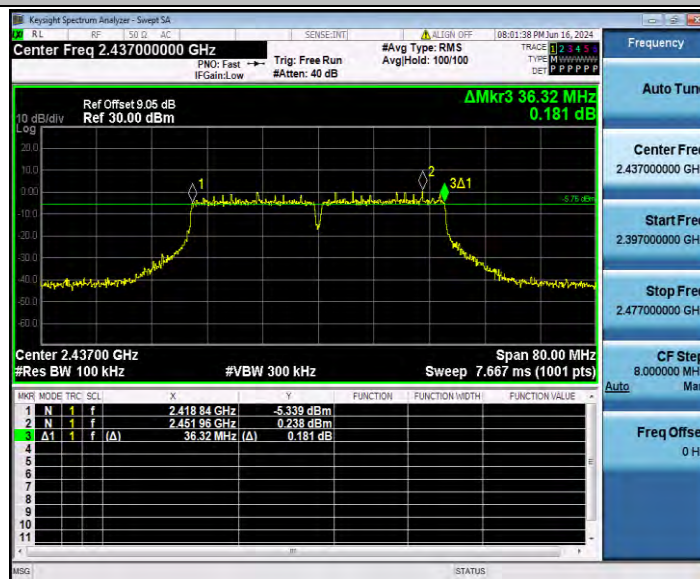
11N20SISO_Ant1_2412



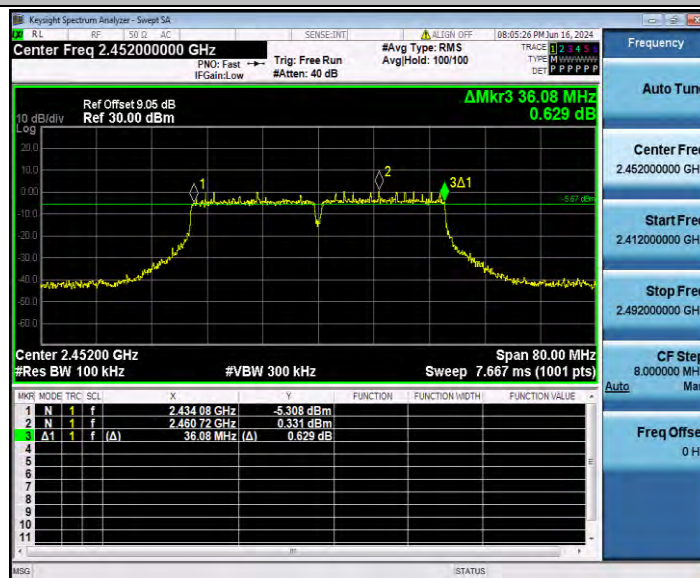
11N20SISO_Ant1_2437



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix C.2: Occupied Channel Bandwidth

Test Result

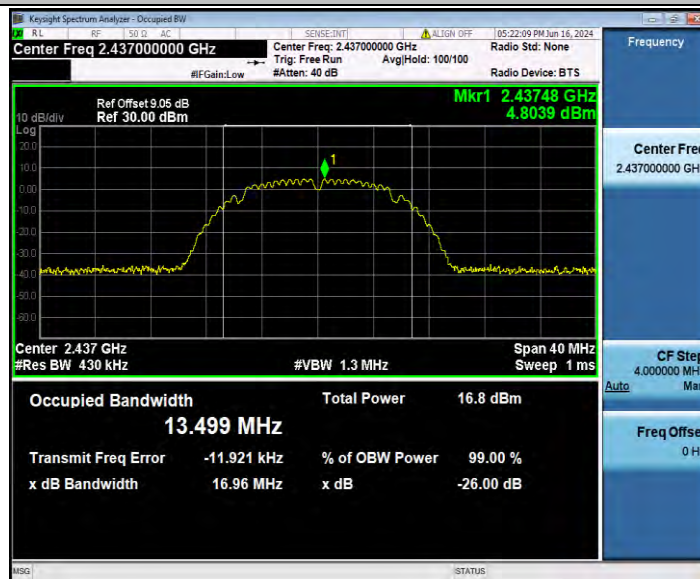
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
11B	Ant1	2412	13.465	2405.3082	2418.7732
		2437	13.499	2430.2386	2443.7376
		2462	13.468	2455.2385	2468.7065
11G	Ant1	2412	17.172	2403.4594	2420.6314
		2437	17.183	2428.3905	2445.5735
		2462	17.123	2453.4443	2470.5673
11N20SISO	Ant1	2412	18.190	2402.9816	2421.1716
		2437	18.282	2427.9056	2446.1876
		2462	18.159	2452.9094	2471.0684
11N40SISO	Ant1	2422	36.491	2403.7850	2440.2760
		2437	36.585	2418.7868	2455.3718
		2452	36.572	2433.7757	2470.3477

Test Graphs

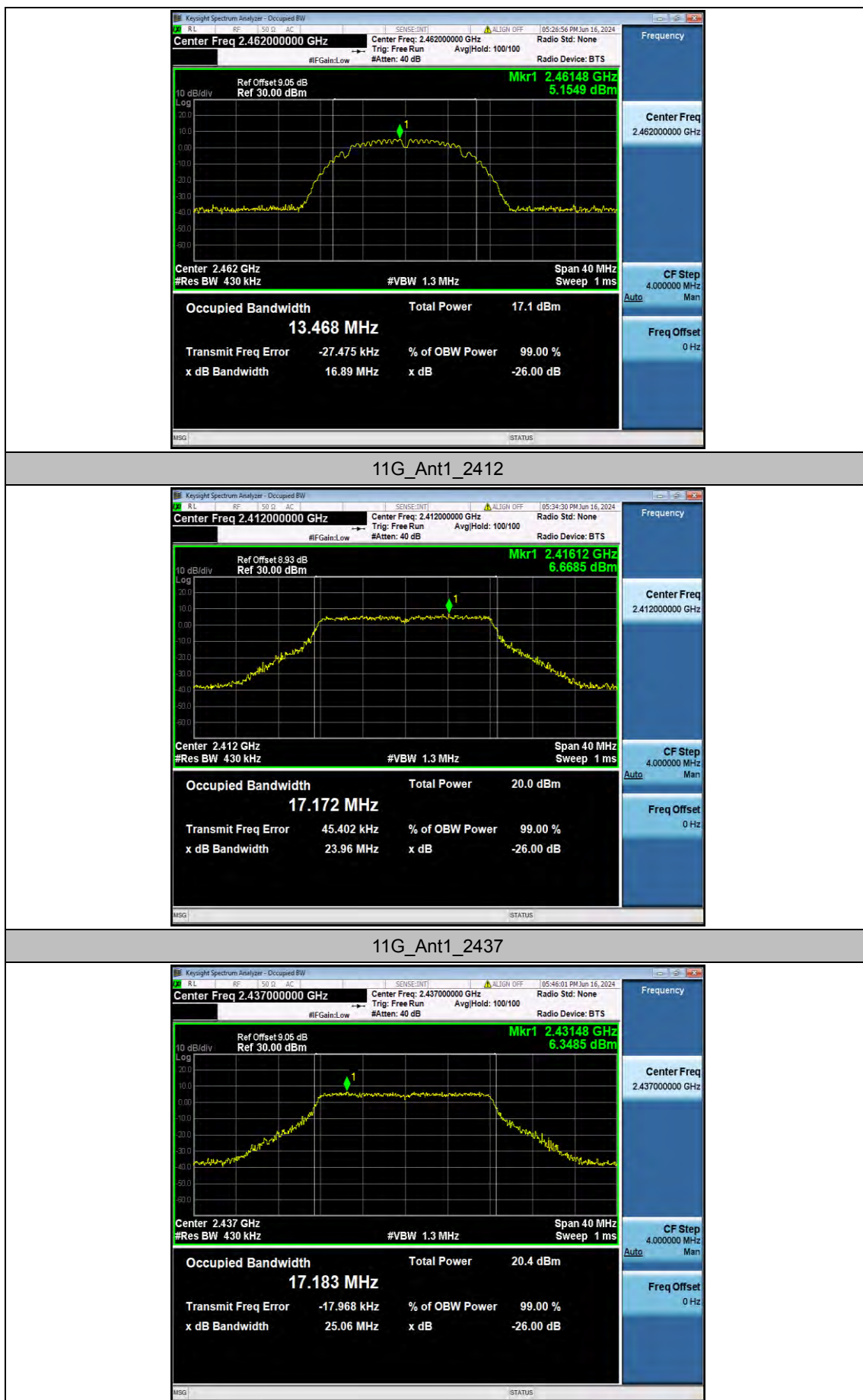
11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2462



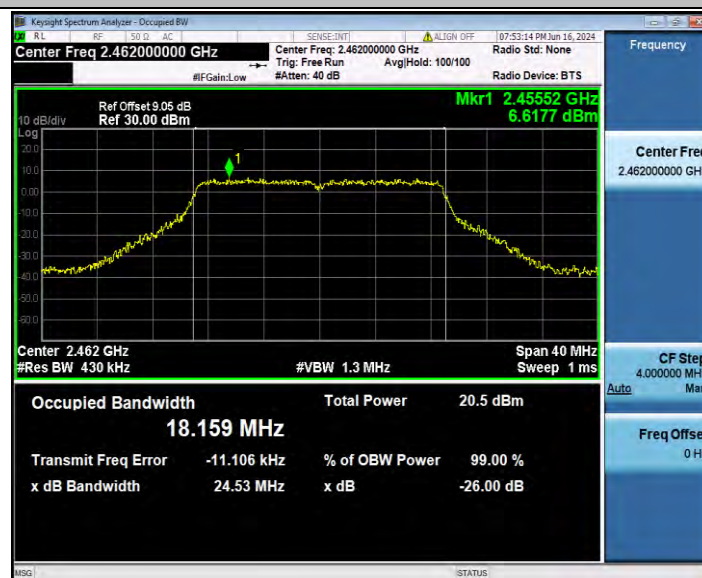
11N20SISO_Ant1_2412



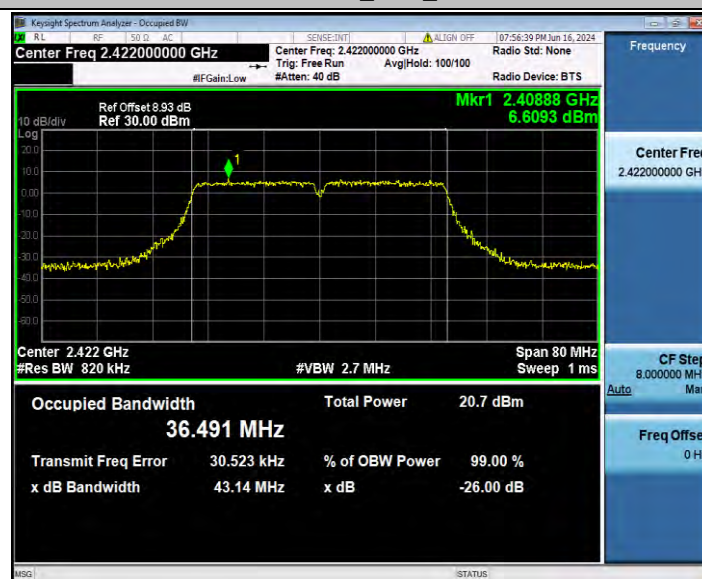
11N20SISO_Ant1_2437



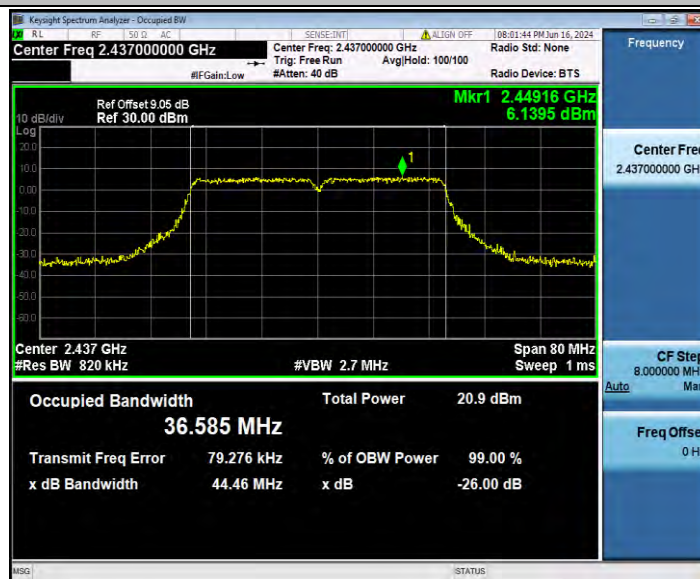
11N20SISO_Ant1_2462



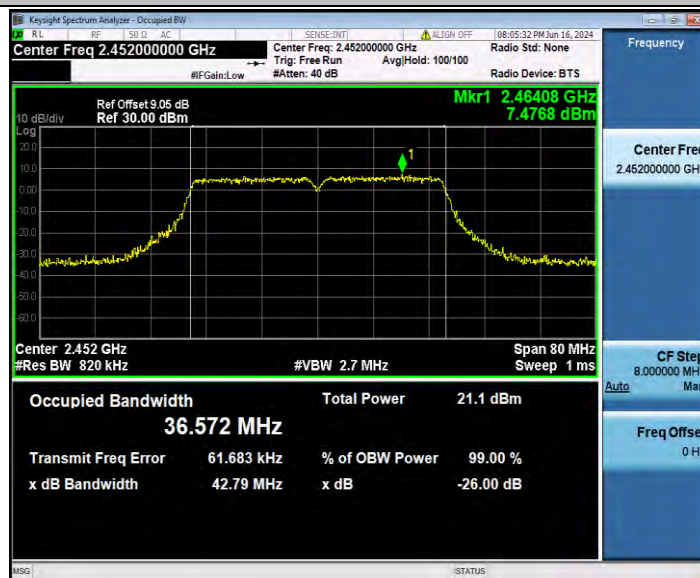
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix C.3: Maximum conducted output power

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	16.37	≤30.00	PASS
		2437	16.84	≤30.00	PASS
		2462	17.17	≤30.00	PASS
11G	Ant1	2412	21.12	≤30.00	PASS
		2437	21.49	≤30.00	PASS
		2462	22.00	≤30.00	PASS
11N20SISO	Ant1	2412	20.96	≤30.00	PASS
		2437	20.08	≤30.00	PASS
		2462	21.54	≤30.00	PASS
11N40SISO	Ant1	2422	20.87	≤30.00	PASS
		2437	21.23	≤30.00	PASS
		2452	21.40	≤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

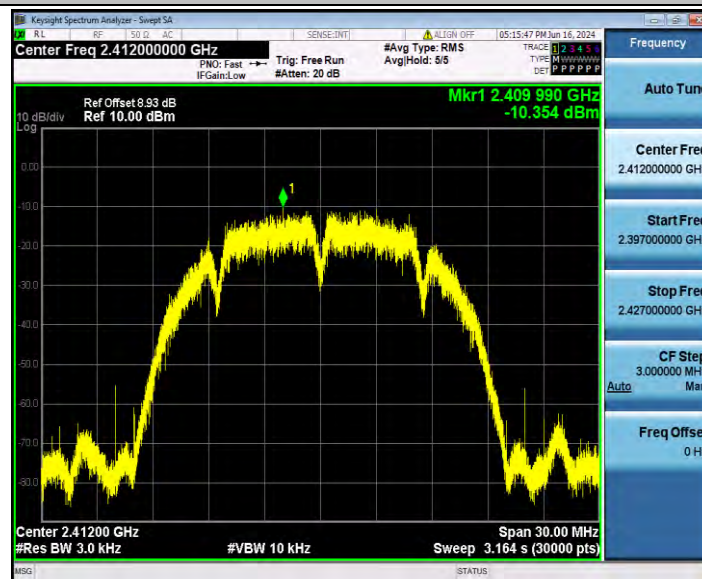
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-10.35	≤8.00	PASS
		2437	-8.79	≤8.00	PASS
		2462	-8.92	≤8.00	PASS
11G	Ant1	2412	-11.75	≤8.00	PASS
		2437	-11.60	≤8.00	PASS
		2462	-11.17	≤8.00	PASS
11N20SISO	Ant1	2412	-11.35	≤8.00	PASS
		2437	-10.41	≤8.00	PASS
		2462	-11.27	≤8.00	PASS
11N40SISO	Ant1	2422	-14.53	≤8.00	PASS
		2437	-14.67	≤8.00	PASS
		2452	-13.69	≤8.00	PASS

Note:

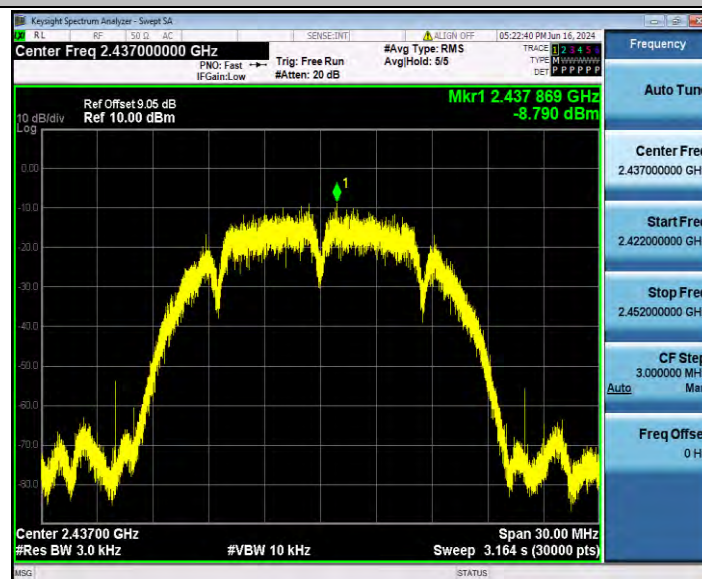
1. The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

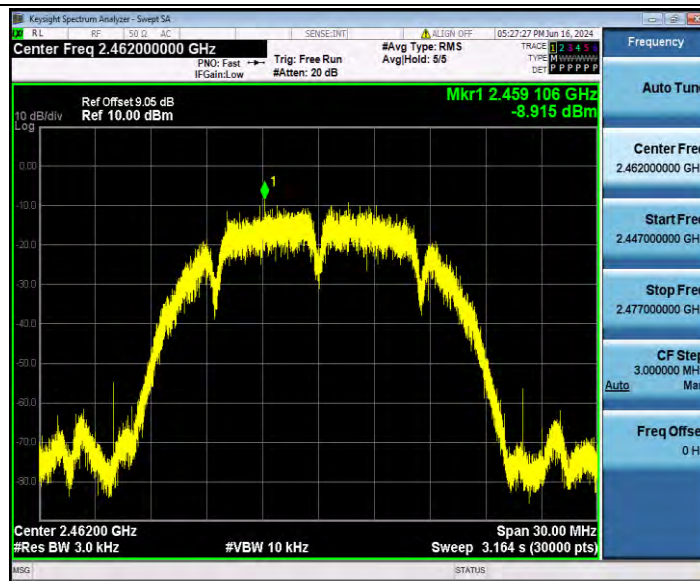
11B_Ant1_2412



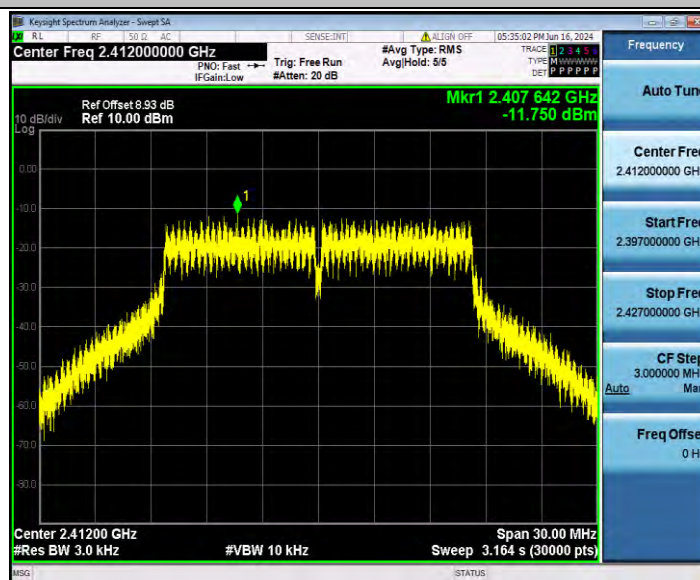
11B_Ant1_2437



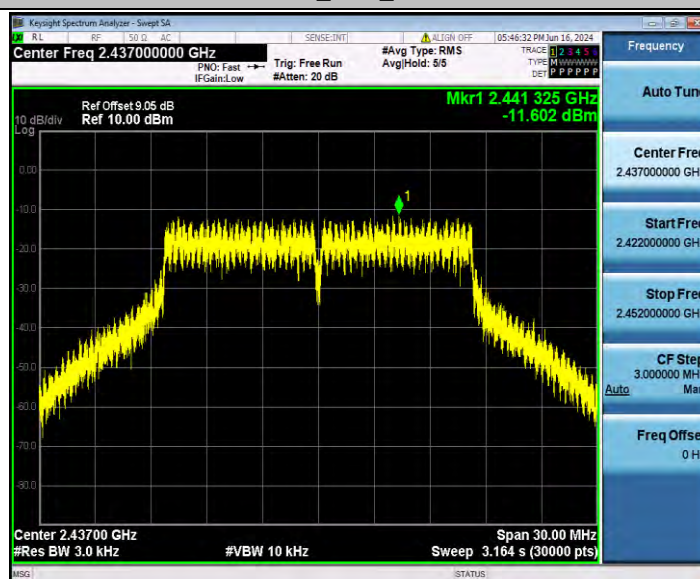
11B_Ant1_2462



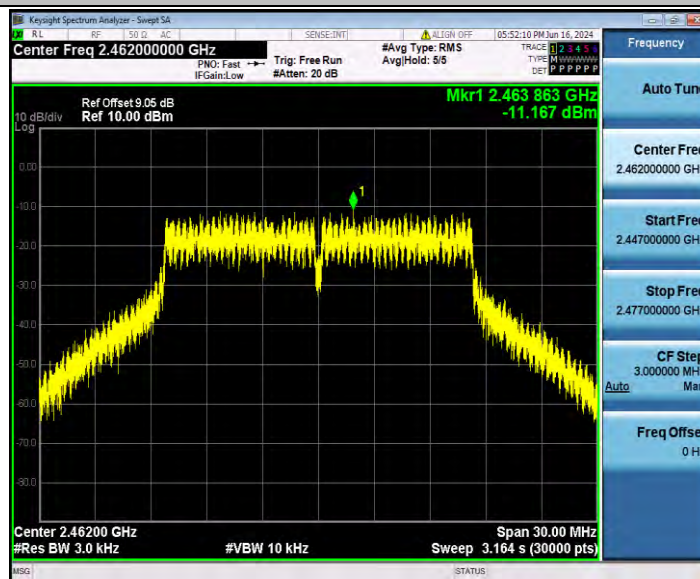
11G_Ant1_2412



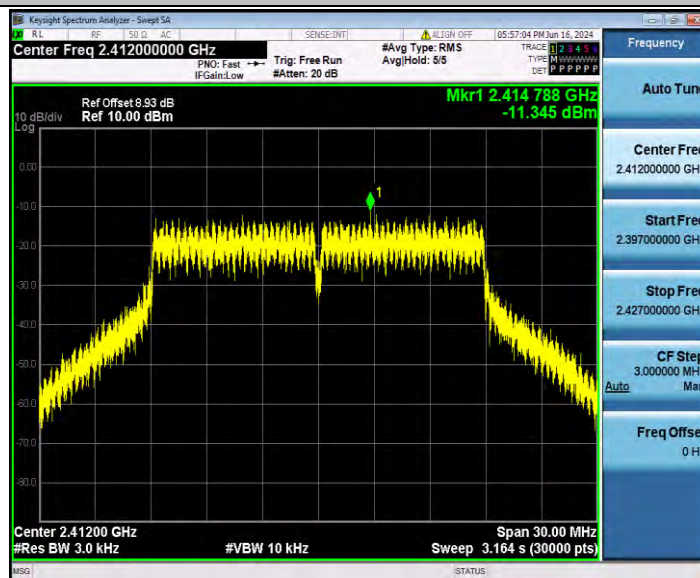
11G_Ant1_2437



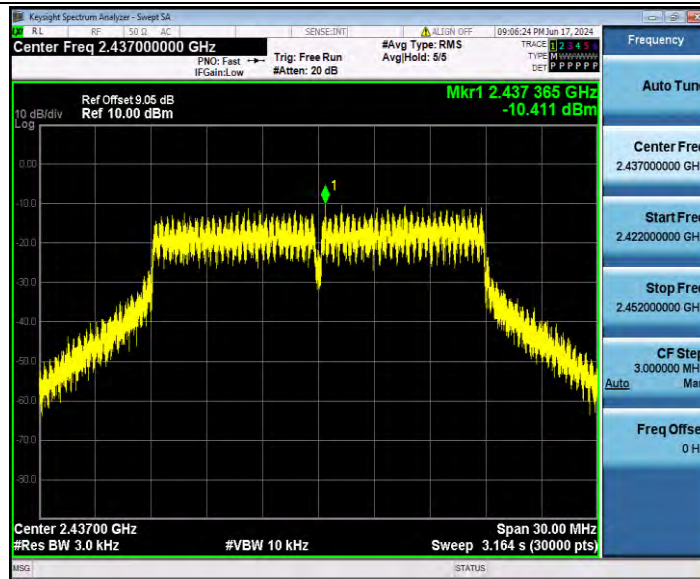
11G_Ant1_2462



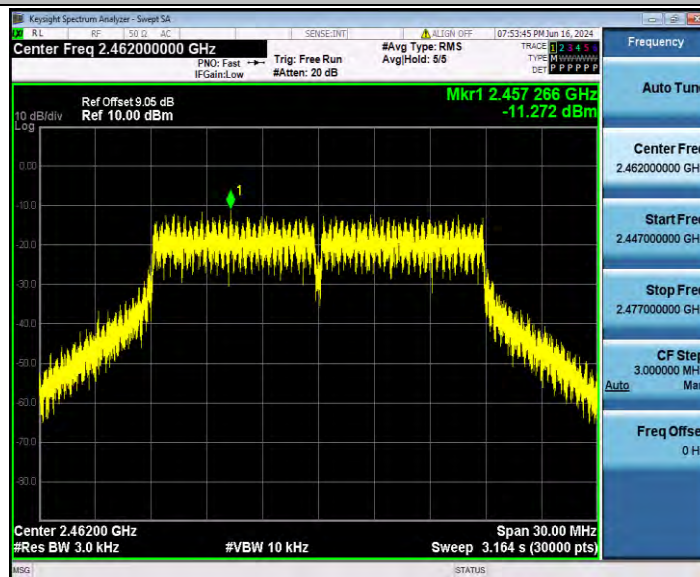
11N20SISO_Ant1_2412



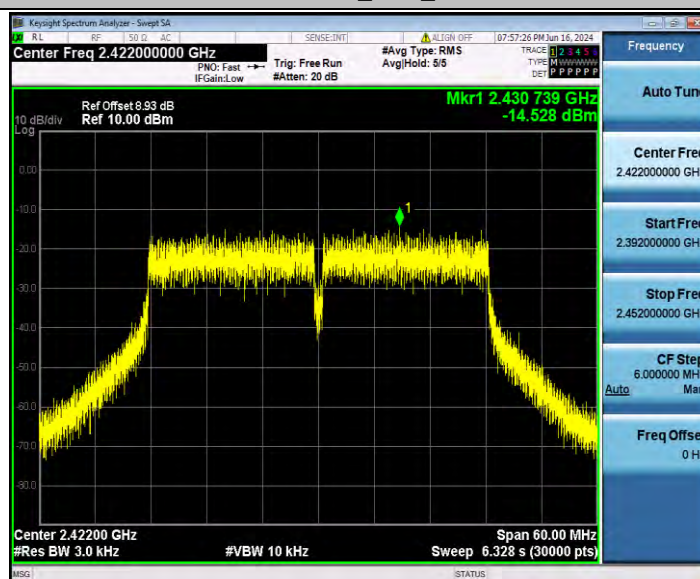
11N20SISO_Ant1_2437



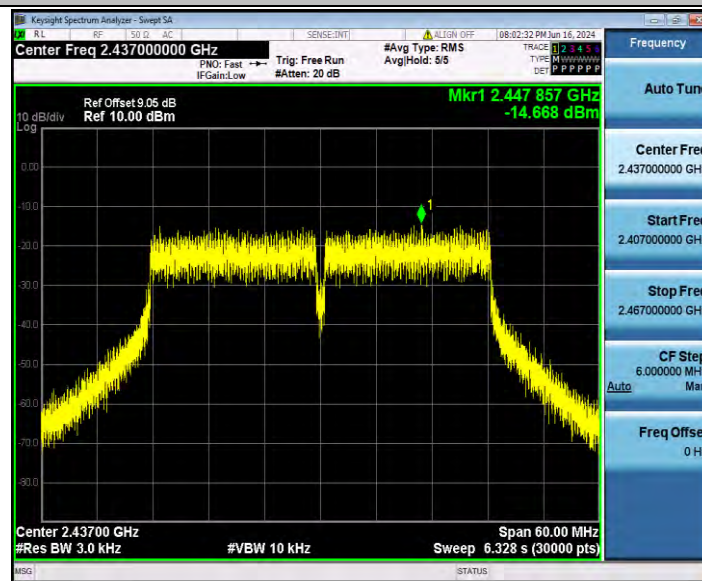
11N20SISO_Ant1_2462



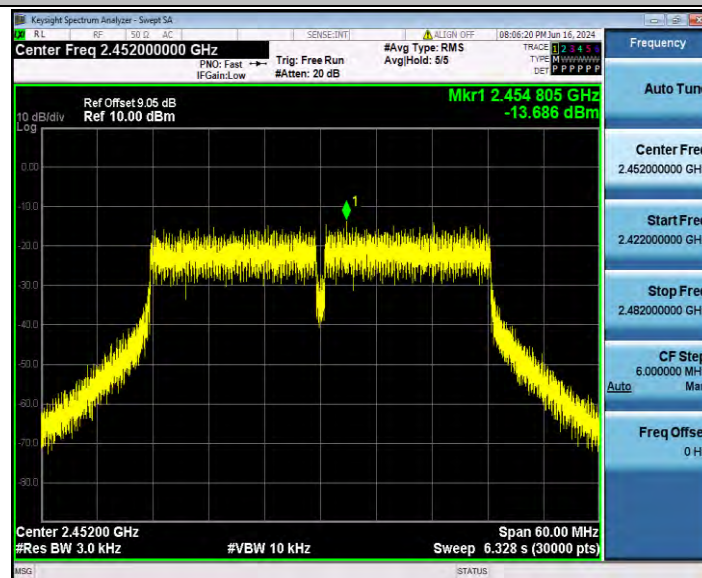
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



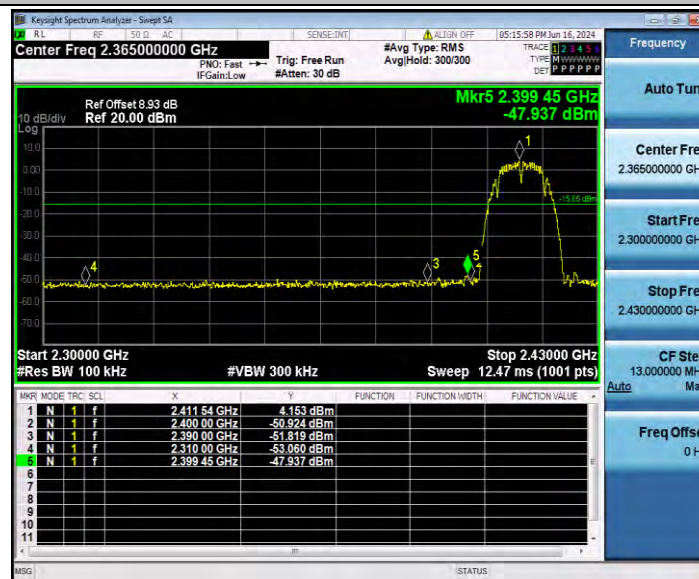
Appendix C.6: Band edge measurements

Test Result

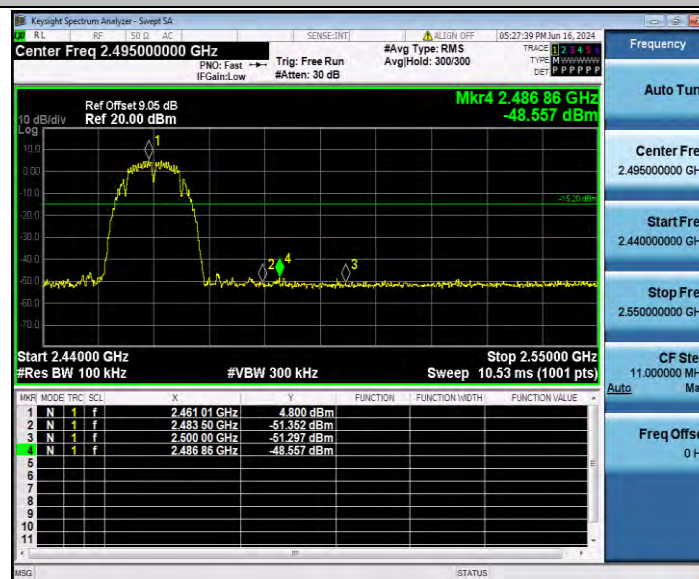
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.15	-47.94	≤ -15.85	PASS
		High	2462	4.80	-48.56	≤ -15.2	PASS
11G	Ant1	Low	2412	3.41	-27.09	≤ -16.59	PASS
		High	2462	4.26	-49.15	≤ -15.74	PASS
11N20SISO	Ant1	Low	2412	3.42	-25.17	≤ -16.58	PASS
		High	2462	3.90	-47.77	≤ -16.1	PASS
11N40SISO	Ant1	Low	2422	-0.13	-28.17	≤ -20.13	PASS
		High	2452	0.88	-39.51	≤ -19.12	PASS

Test Graphs

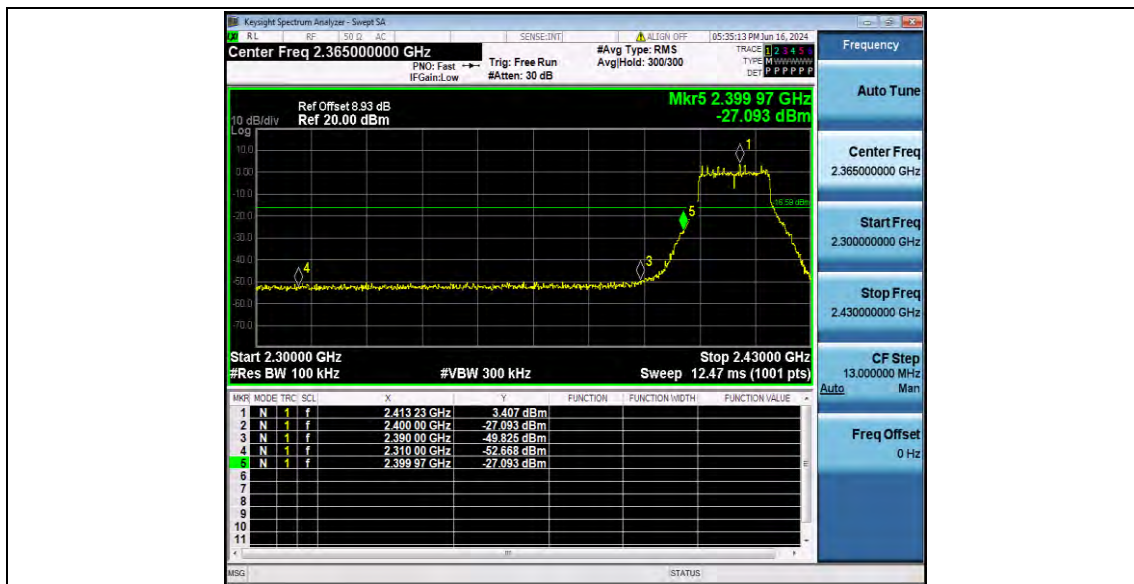
11B_Ant1_Low_2412



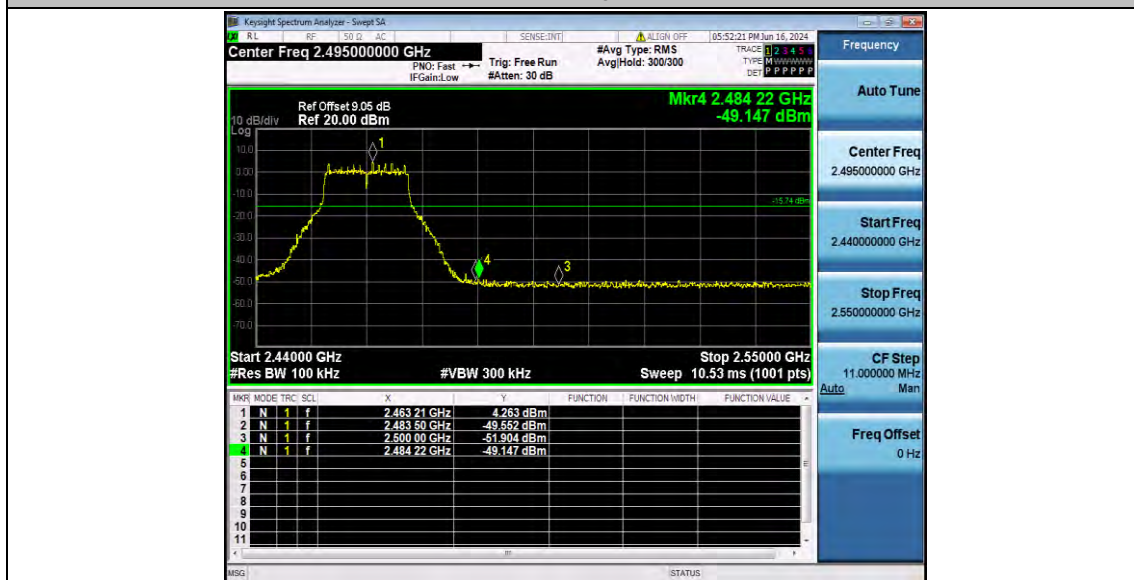
11B_Ant1_High_2462



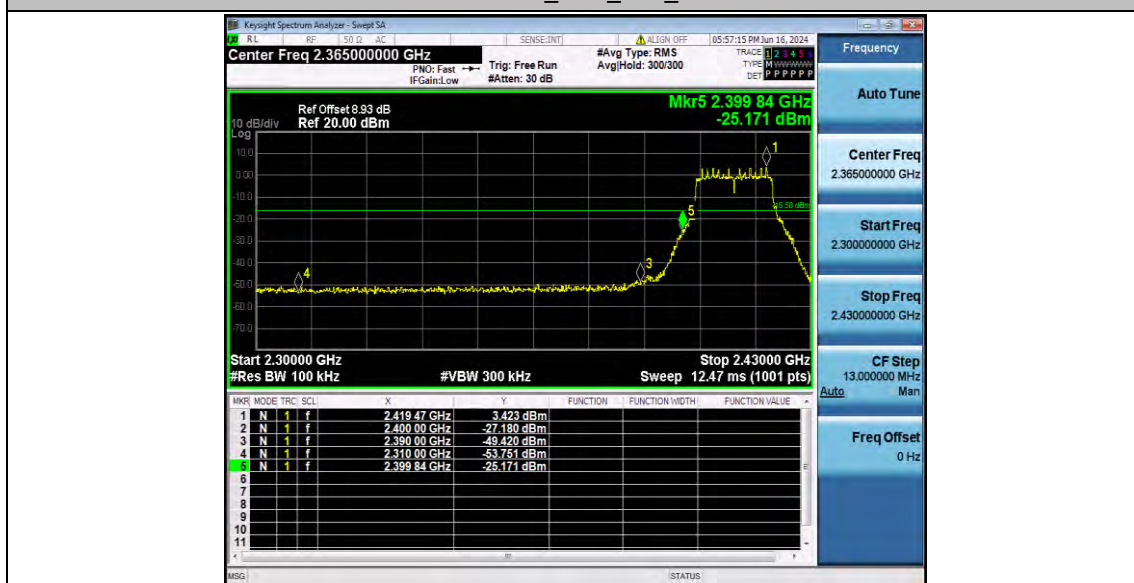
11G_Ant1_Low_2412



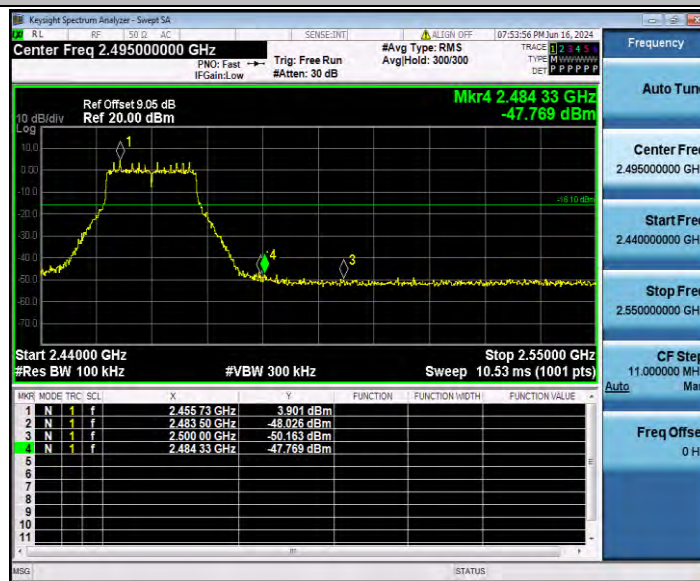
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452

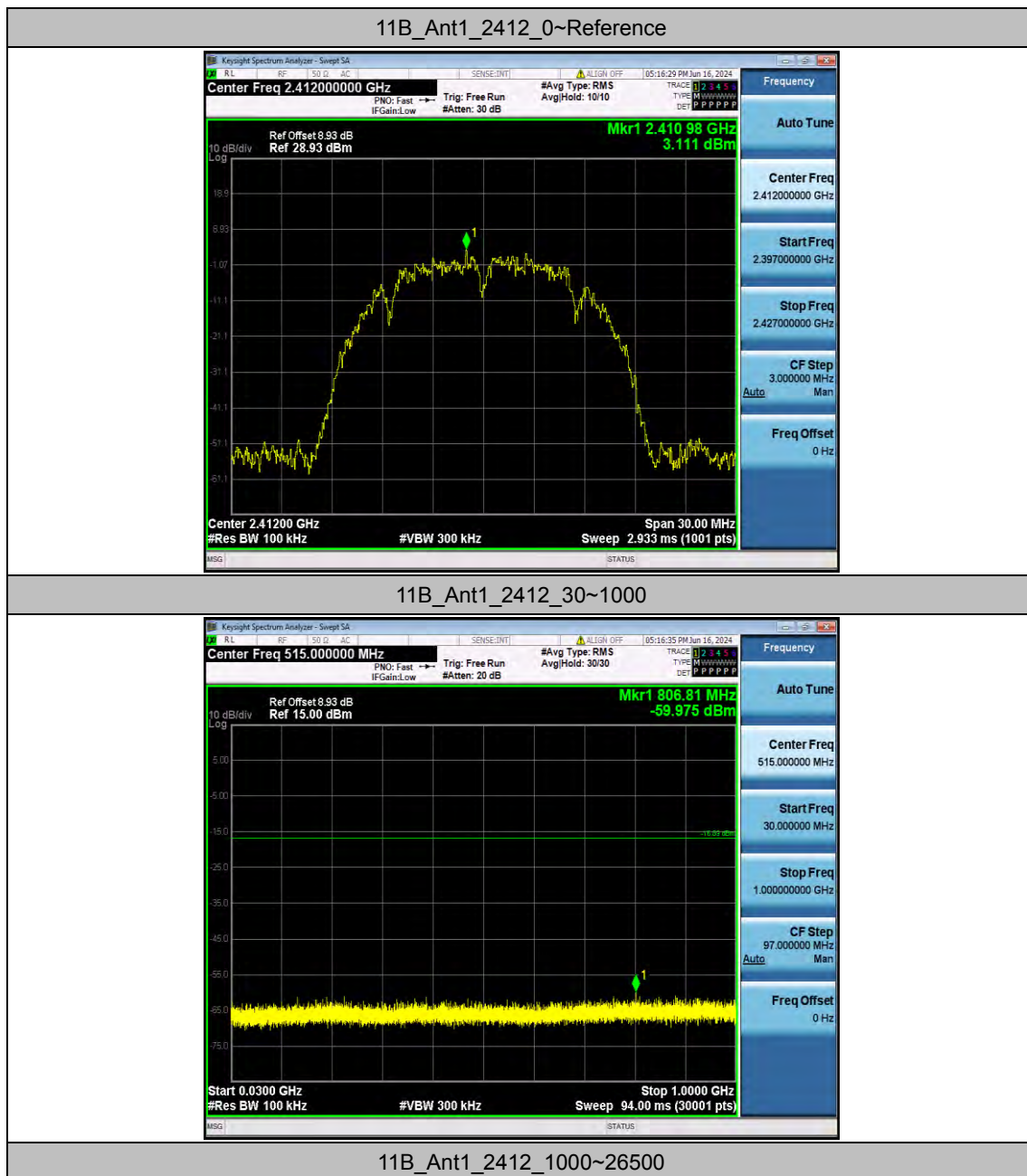


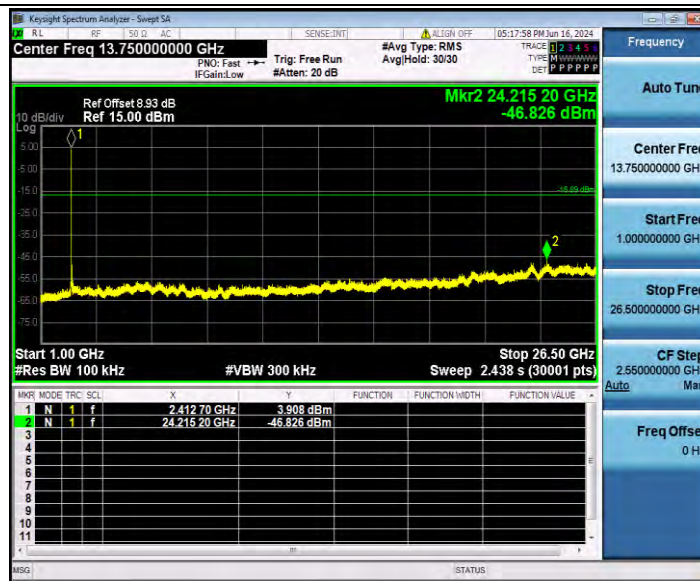
Appendix C.7: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	3.11	3.11	---	PASS
			30~1000	3.11	-59.98	≤ -16.89	PASS
			1000~26500	3.11	-46.83	≤ -16.89	PASS
		2437	Reference	3.41	3.41	---	PASS
			30~1000	3.41	-60.61	≤ -16.59	PASS
			1000~26500	3.41	-48.09	≤ -16.59	PASS
		2462	Reference	3.75	3.75	---	PASS
			30~1000	3.75	-60.01	≤ -16.25	PASS
			1000~26500	3.75	-47.69	≤ -16.25	PASS
11G	Ant1	2412	Reference	-0.52	-0.52	---	PASS
			30~1000	-0.52	-60.8	≤ -20.52	PASS
			1000~26500	-0.52	-48.33	≤ -20.52	PASS
		2437	Reference	0.27	0.27	---	PASS
			30~1000	0.27	-60.89	≤ -19.73	PASS
			1000~26500	0.27	-47.77	≤ -19.73	PASS
		2462	Reference	0.40	0.40	---	PASS
			30~1000	0.40	-61	≤ -19.6	PASS
			1000~26500	0.40	-47.62	≤ -19.6	PASS
11N20SISO	Ant1	2412	Reference	2.00	2.00	---	PASS
			30~1000	2.00	-60.27	≤ -18	PASS
			1000~26500	2.00	-47.57	≤ -18	PASS
		2437	Reference	1.21	1.21	---	PASS
			30~1000	1.21	-60.1	≤ -18.79	PASS
			1000~26500	1.21	-47.9	≤ -18.79	PASS
		2462	Reference	1.39	1.39	---	PASS
			30~1000	1.39	-60.33	≤ -18.61	PASS
			1000~26500	1.39	-47.64	≤ -18.61	PASS
11N40SISO	Ant1	2422	Reference	-1.39	-1.39	---	PASS
			30~1000	-1.39	-49.94	≤ -21.39	PASS
			1000~26500	-1.39	-47.3	≤ -21.39	PASS
		2437	Reference	-0.78	-0.78	---	PASS
			30~1000	-0.78	-60.46	≤ -20.78	PASS
			1000~26500	-0.78	-47.78	≤ -20.78	PASS
		2452	Reference	-1.46	-1.46	---	PASS
			30~1000	-1.46	-60.41	≤ -21.46	PASS
			1000~26500	-1.46	-47.19	≤ -21.46	PASS

Test Graphs

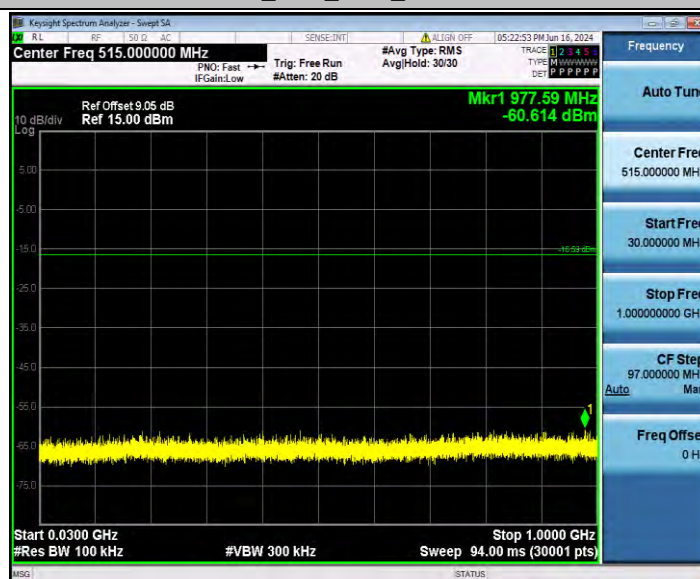




11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



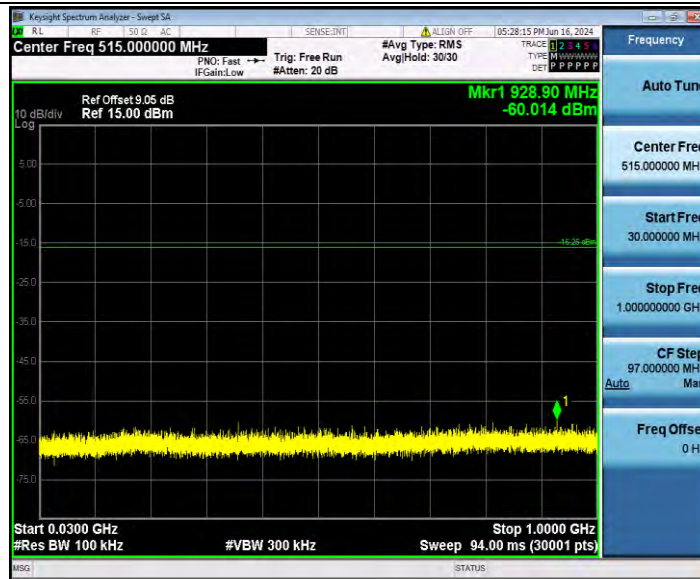
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



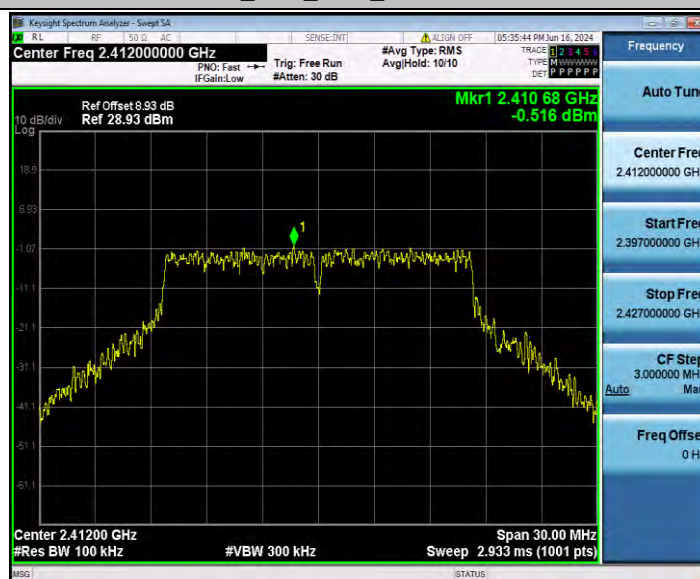
11B_Ant1_2462_30~1000



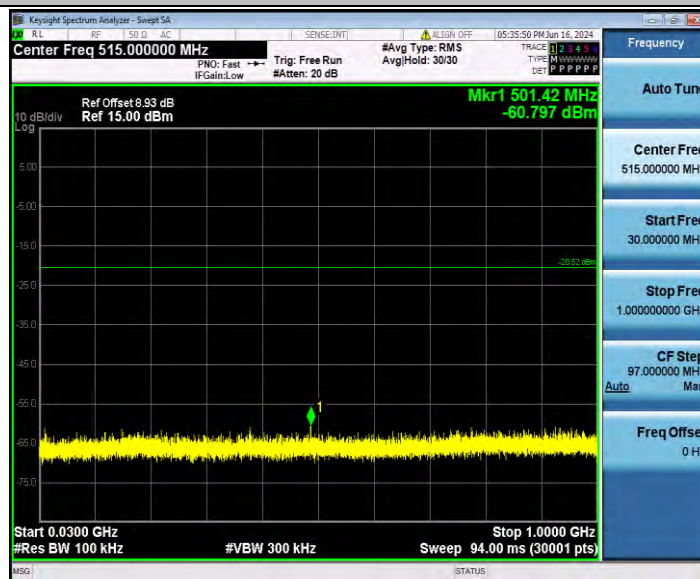
11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



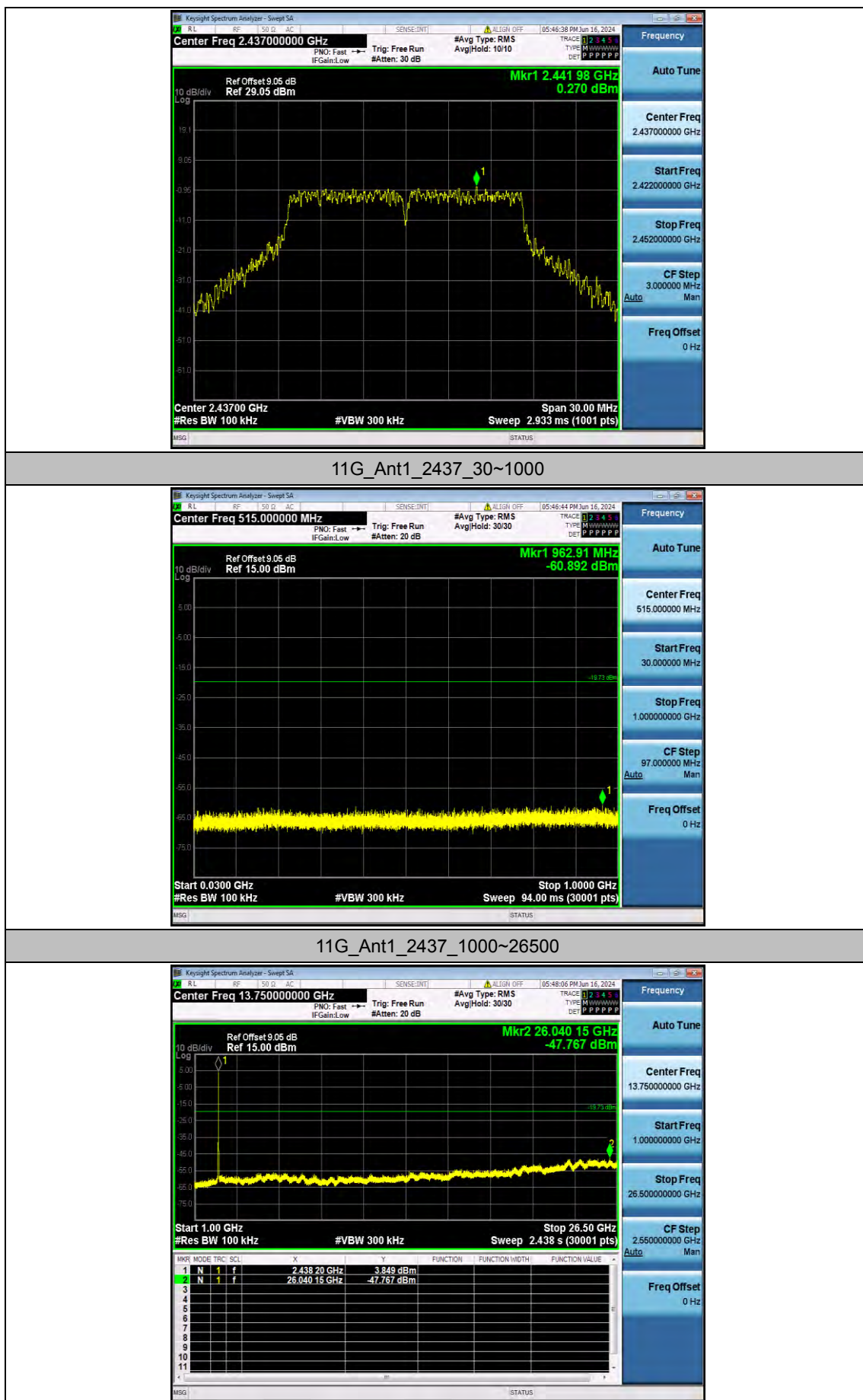
11G_Ant1_2412_30~1000



11G_Ant1_2412_1000~26500



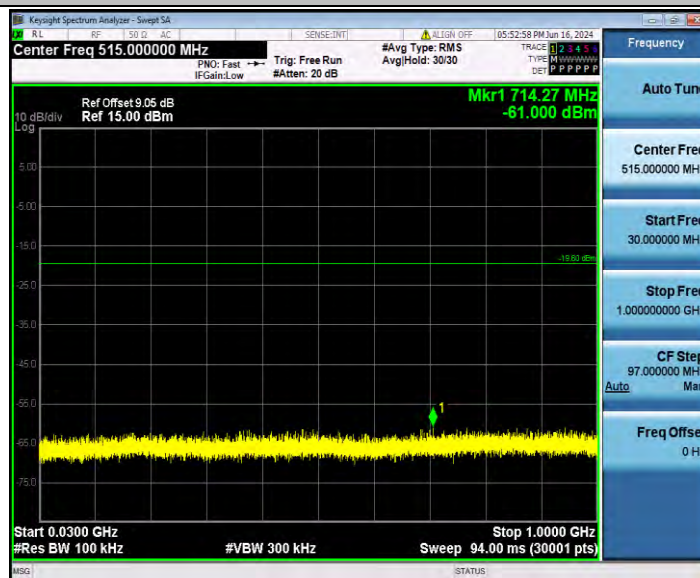
11G_Ant1_2437_0~Reference



11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



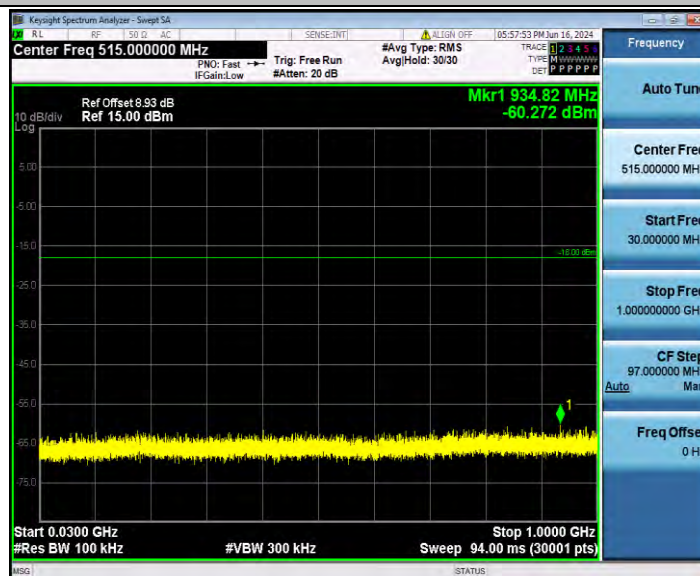
11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



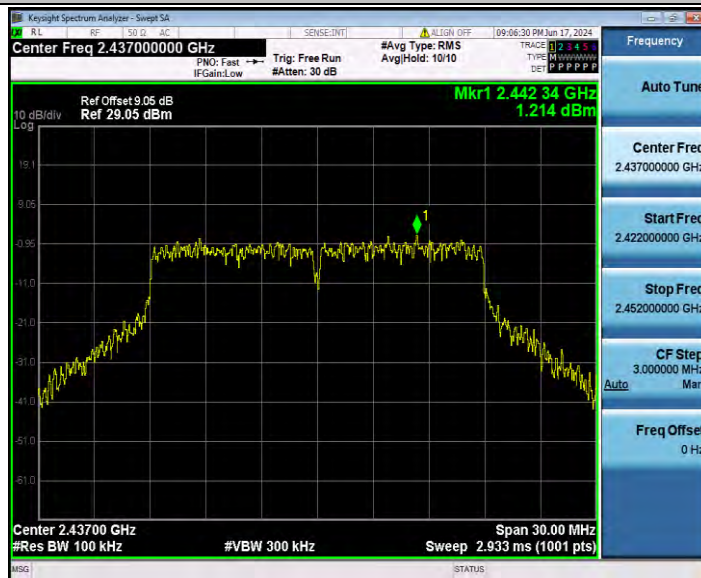
11N20SISO_Ant1_2412_30~1000



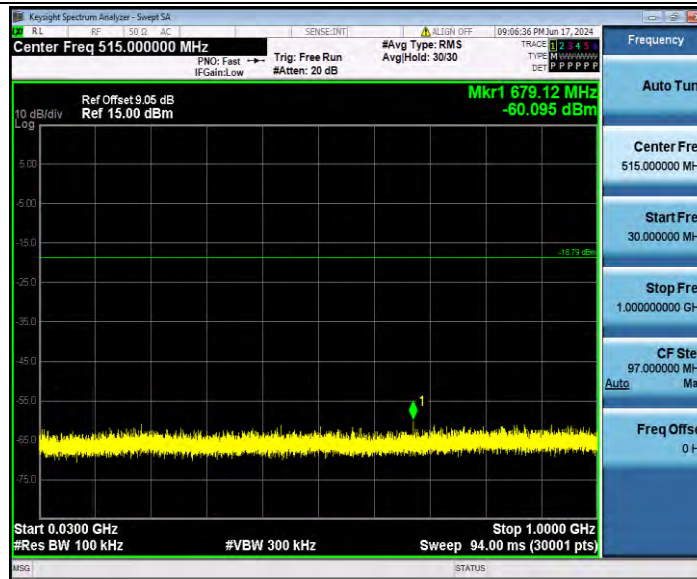
11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



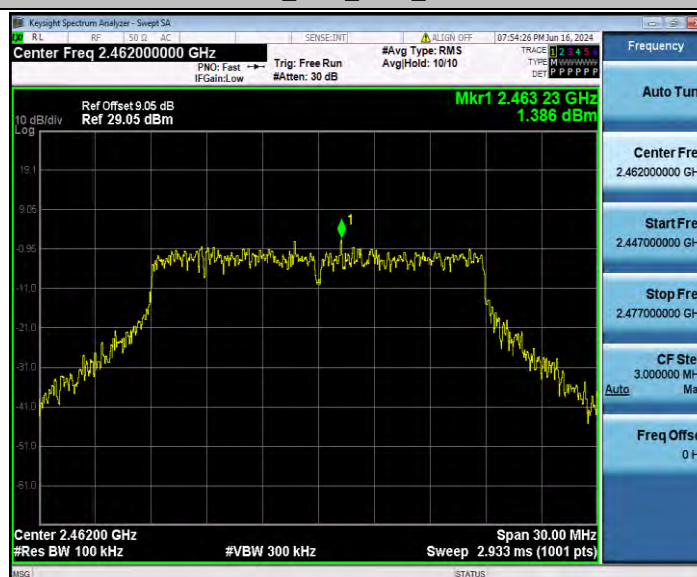
11N20SISO_Ant1_2437_30~1000



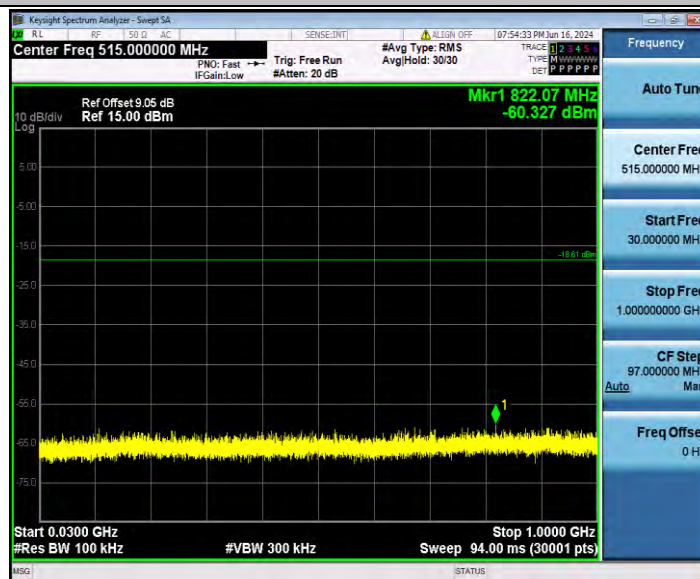
11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



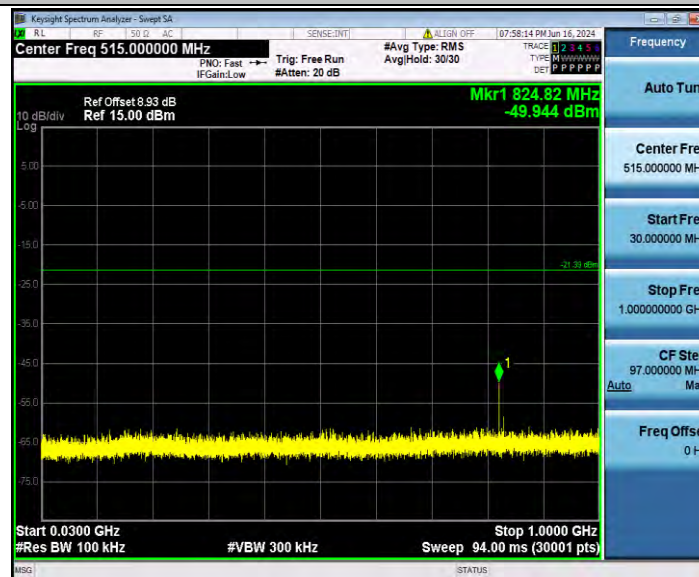
11N20SISO_Ant1_2462_1000~26500



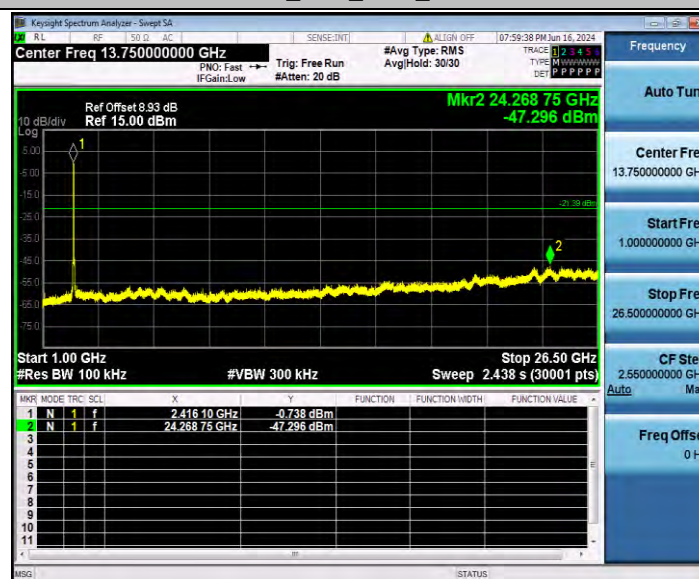
11N40SISO_Ant1_2422_0~Reference



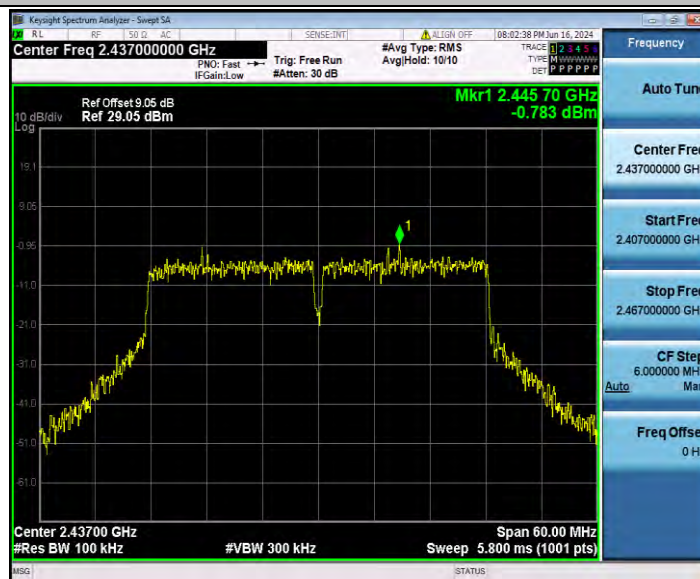
11N40SISO_Ant1_2422_30~1000



11N40SISO_Ant1_2422_1000~26500



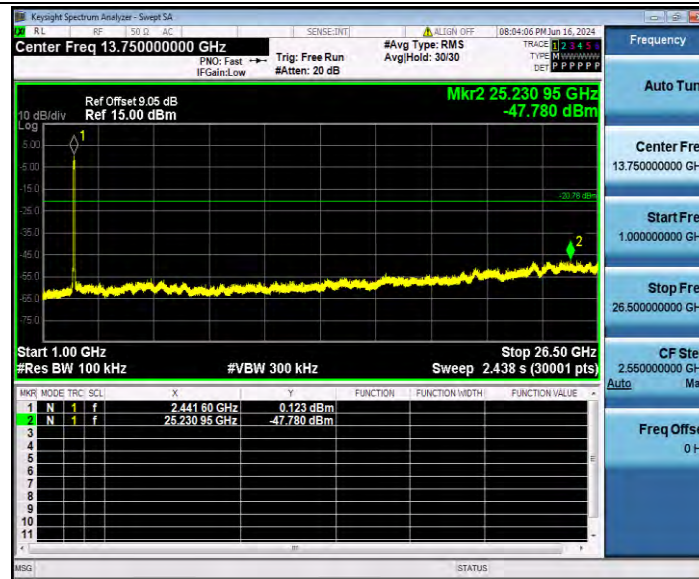
11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_30~1000



11N40SISO_Ant1_2437_1000~26500



11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000

