

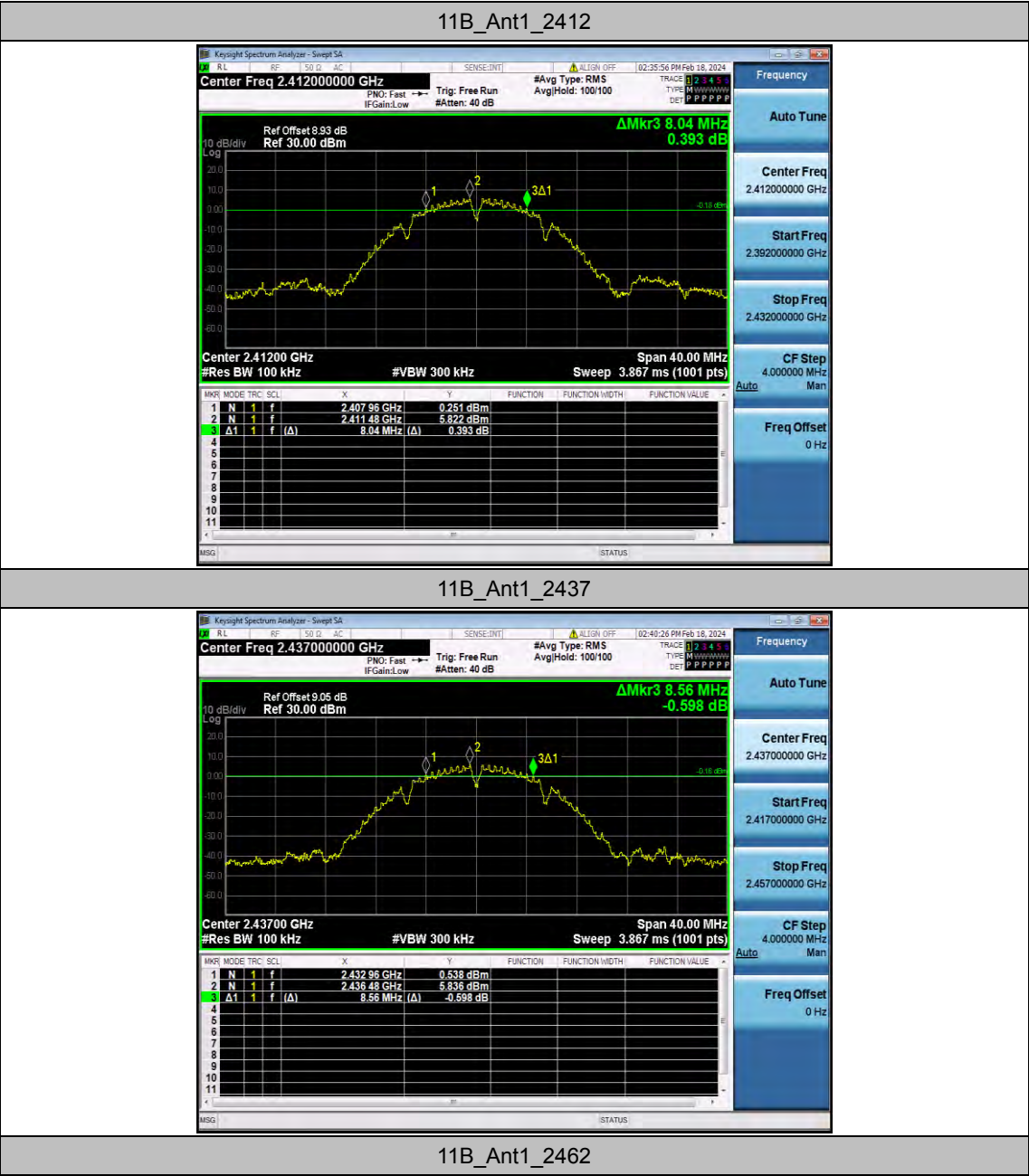
Case No. : <u>GTS20231208004-1-37</u>	
Ambient Condition: <u>23</u> °C, <u>48</u> %RH,	
Test Date: <u>2024.2.18</u>	Test Engineer: <u>Evan ouyang</u>

Appendix C.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.040	2407.960	2416.000	0.5	PASS
		2437	8.560	2432.960	2441.520	0.5	PASS
		2462	9.000	2457.520	2466.520	0.5	PASS
11G	Ant1	2412	15.680	2404.440	2420.120	0.5	PASS
		2437	15.720	2429.440	2445.160	0.5	PASS
		2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant1	2412	15.040	2404.440	2419.480	0.5	PASS
		2437	15.360	2429.480	2444.840	0.5	PASS
		2462	15.720	2454.200	2469.920	0.5	PASS
11N40SISO	Ant1	2422	35.040	2404.480	2439.520	0.5	PASS
		2437	35.120	2419.480	2454.600	0.5	PASS
		2452	35.040	2434.480	2469.520	0.5	PASS
11AX20SISO	Ant1	2412	17.560	2402.960	2420.520	0.5	PASS
		2437	18.000	2428.280	2446.280	0.5	PASS
		2462	18.320	2452.520	2470.840	0.5	PASS
11AX40SISO	Ant1	2422	38.080	2402.960	2441.040	0.5	PASS
		2437	38.080	2417.960	2456.040	0.5	PASS
		2452	37.840	2433.200	2471.040	0.5	PASS

Test Graphs

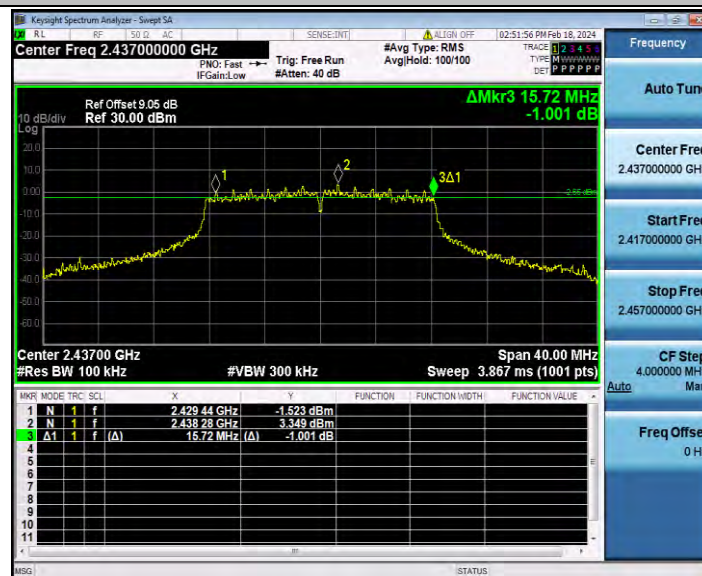




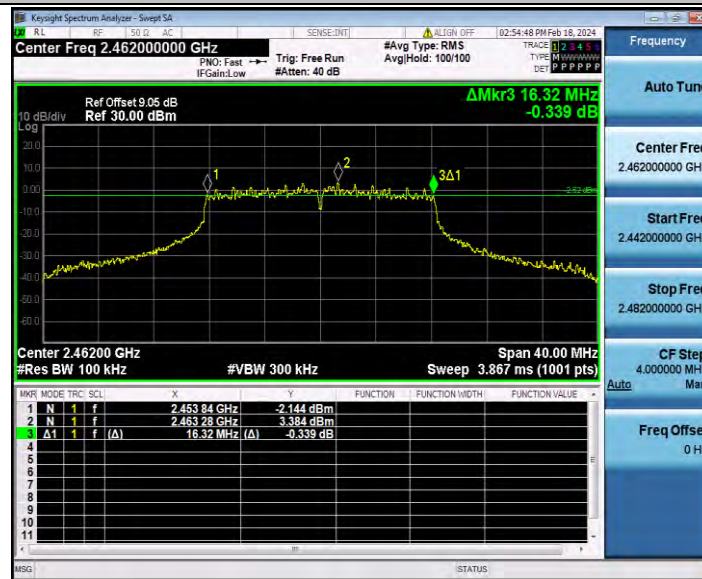
11G_Ant1_2412



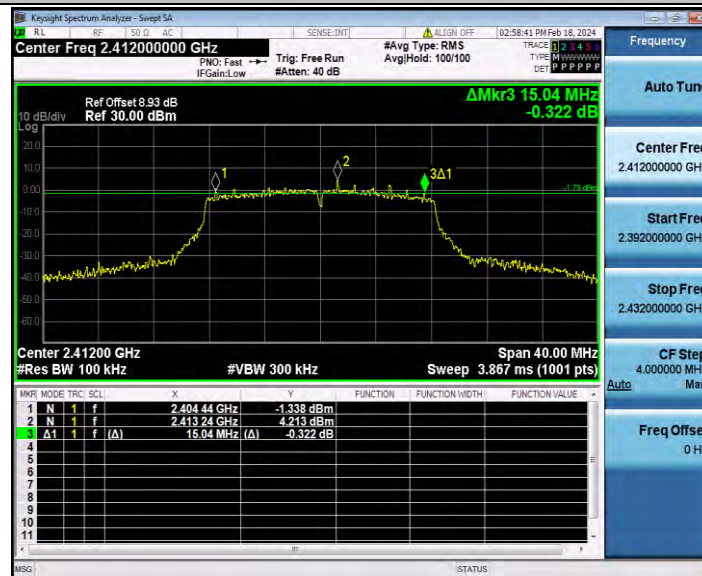
11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



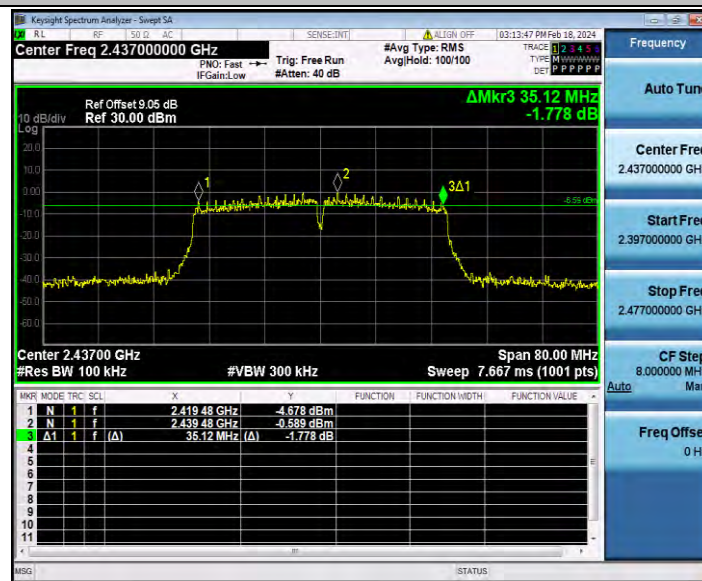
11N20SISO_Ant1_2462



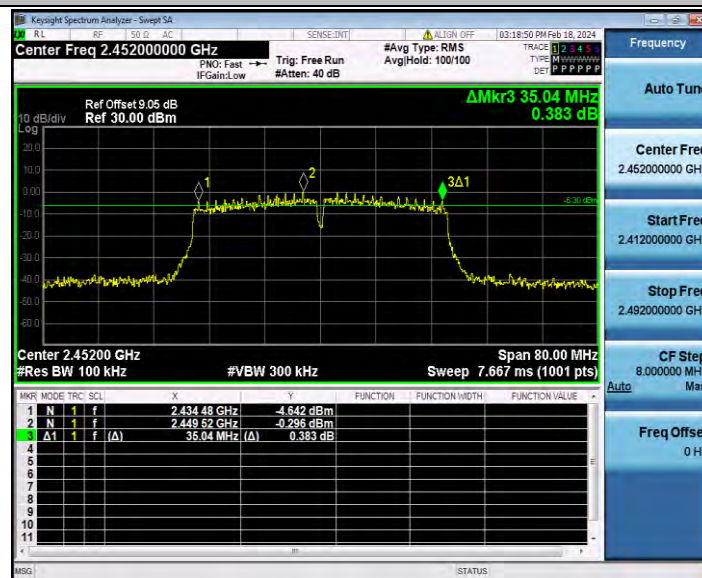
11N40SISO_Ant1_2422



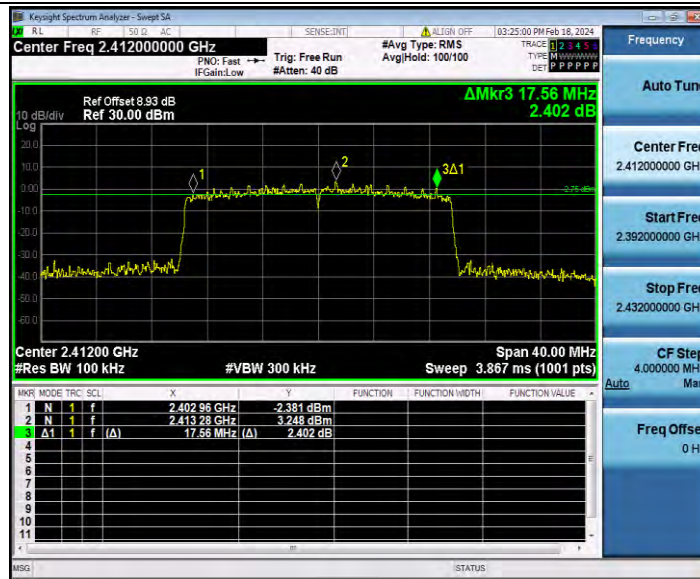
11N40SISO_Ant1_2437



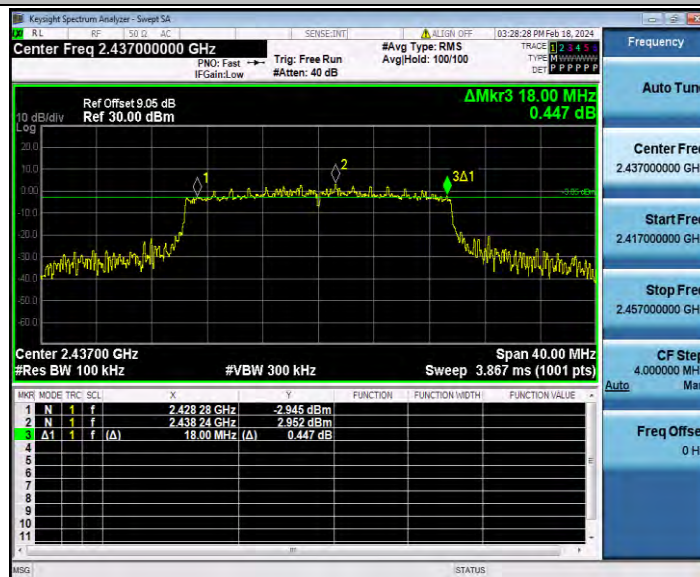
11N40SISO_Ant1_2452



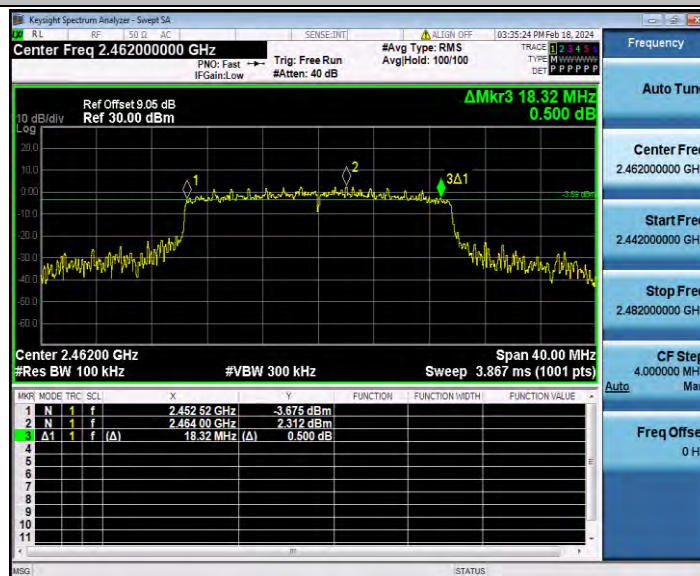
11AX20SISO_Ant1_2412



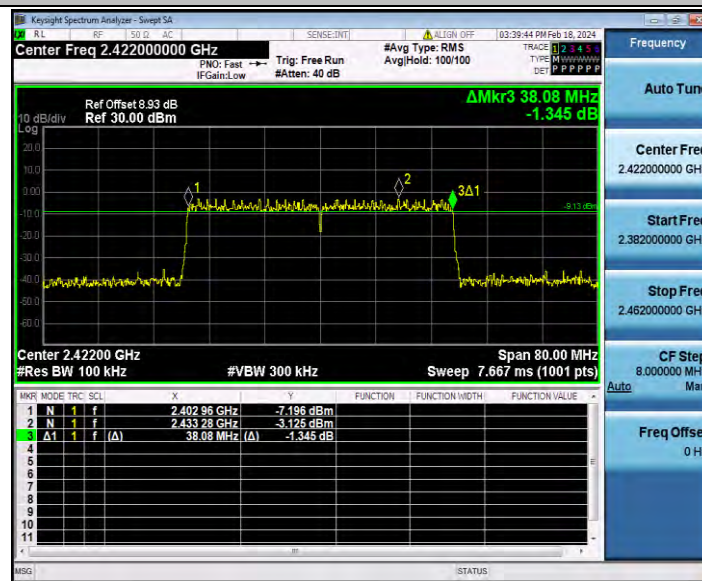
11AX20SISO_Ant1_2437



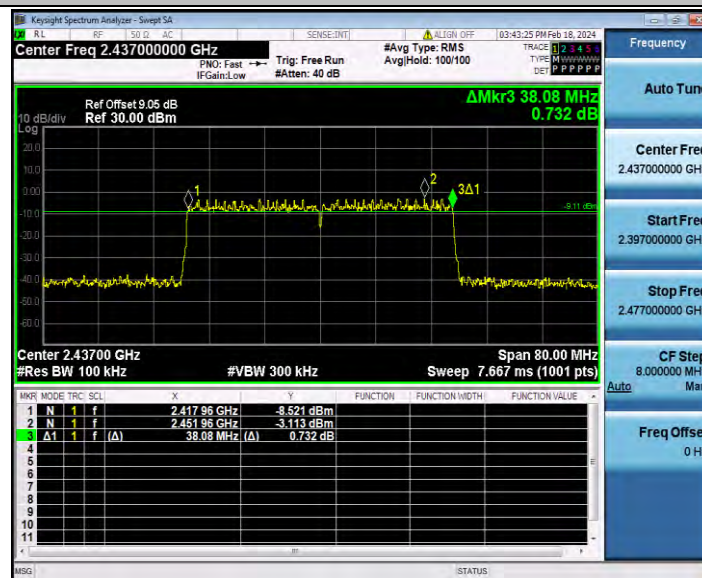
11AX20SISO_Ant1_2462



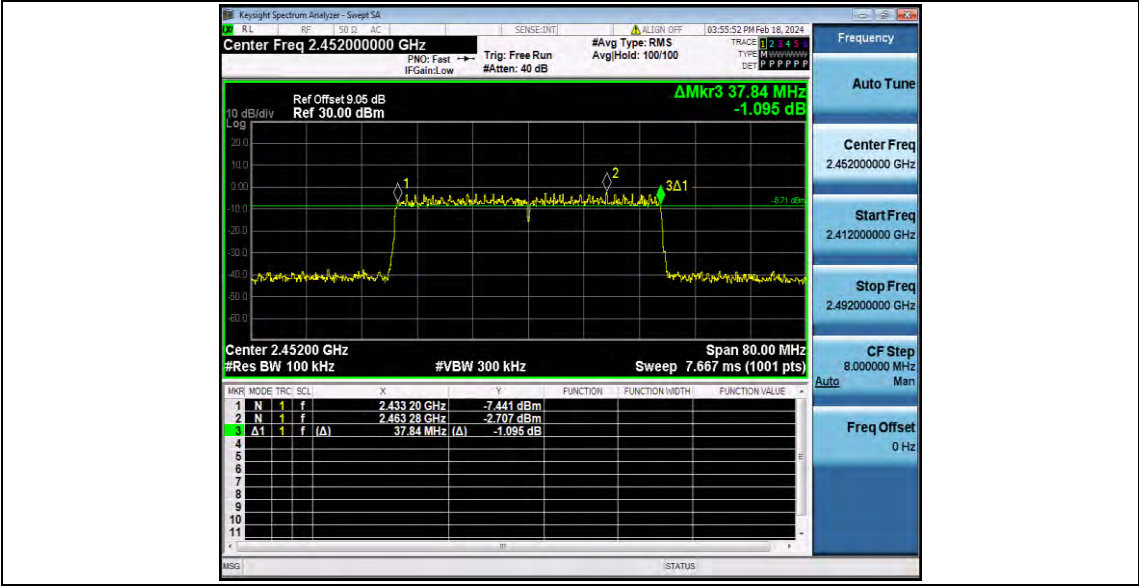
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



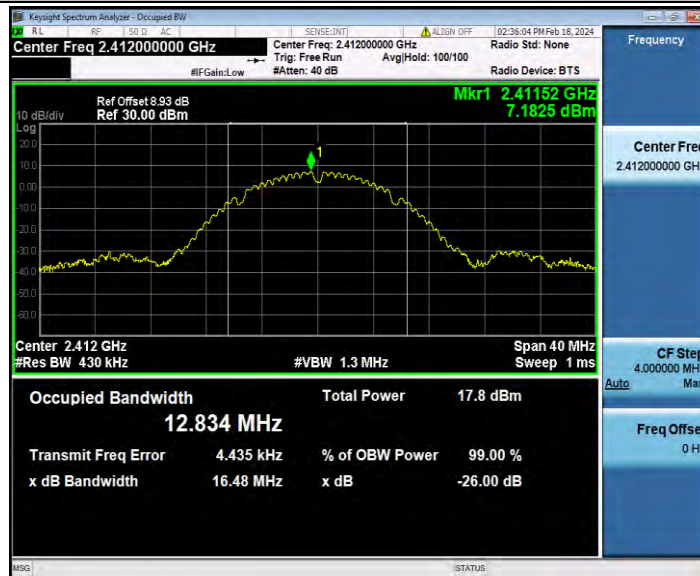
Appendix C.2: Occupied Channel Bandwidth

Test Result

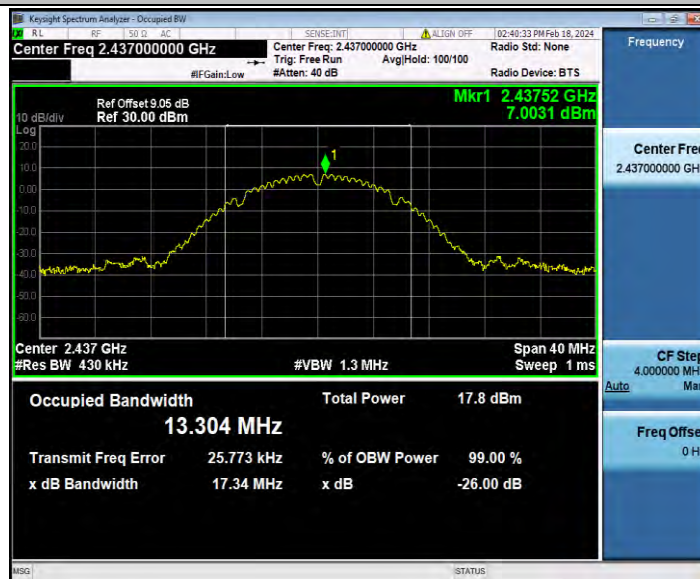
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.834	2405.5874	2418.4214	---	---
		2437	13.304	2430.3738	2443.6778	---	---
		2462	13.775	2455.0646	2468.8396	---	---
11G	Ant1	2412	16.694	2403.6476	2420.3416	---	---
		2437	17.229	2428.3559	2445.5849	---	---
		2462	17.196	2453.3503	2470.5463	---	---
11N20SISO	Ant1	2412	16.666	2403.6691	2420.3351	---	---
		2437	17.314	2428.3438	2445.6578	---	---
		2462	17.353	2453.3504	2470.7034	---	---
11N40SISO	Ant1	2422	36.651	2403.6732	2440.3242	---	---
		2437	36.119	2419.0176	2455.1366	---	---
		2452	36.014	2434.0724	2470.0864	---	---
11AX20SISO	Ant1	2412	18.890	2402.5494	2421.4394	---	---
		2437	19.167	2427.4482	2446.6152	---	---
		2462	19.078	2452.4676	2471.5456	---	---
11AX40SISO	Ant1	2422	37.962	2402.9856	2440.9476	---	---
		2437	38.040	2417.9887	2456.0287	---	---
		2452	37.919	2433.0996	2471.0186	---	---

Test Graphs

11B_Ant1_2412



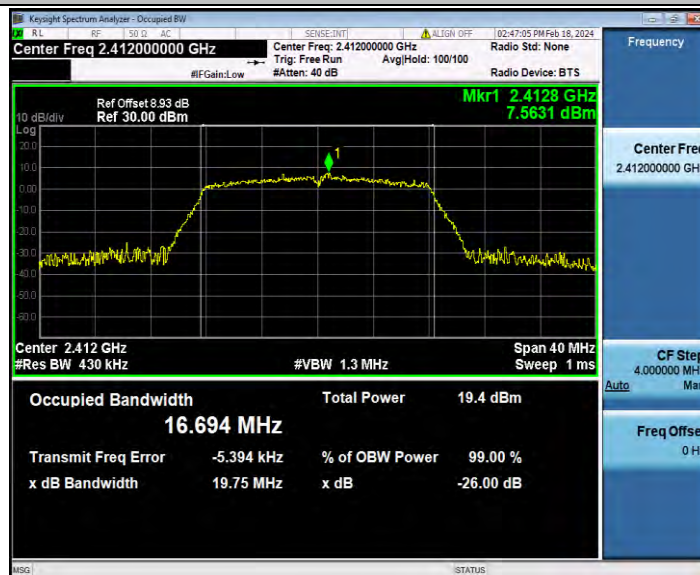
11B_Ant1_2437



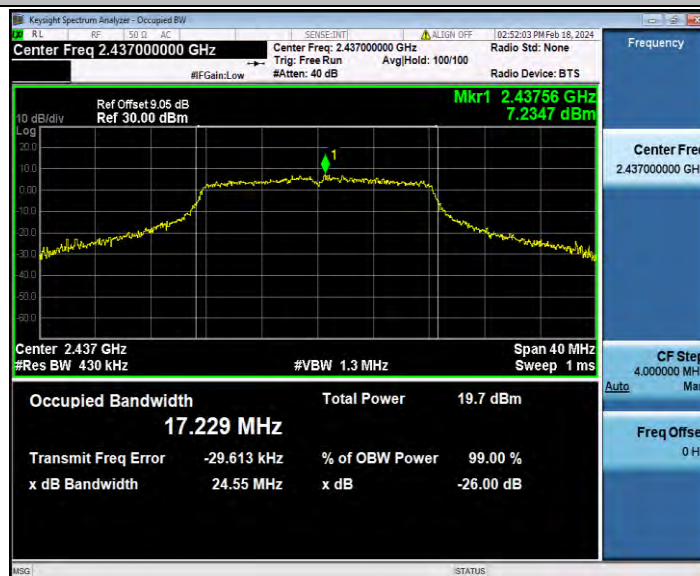
11B_Ant1_2462



11G_Ant1_2412



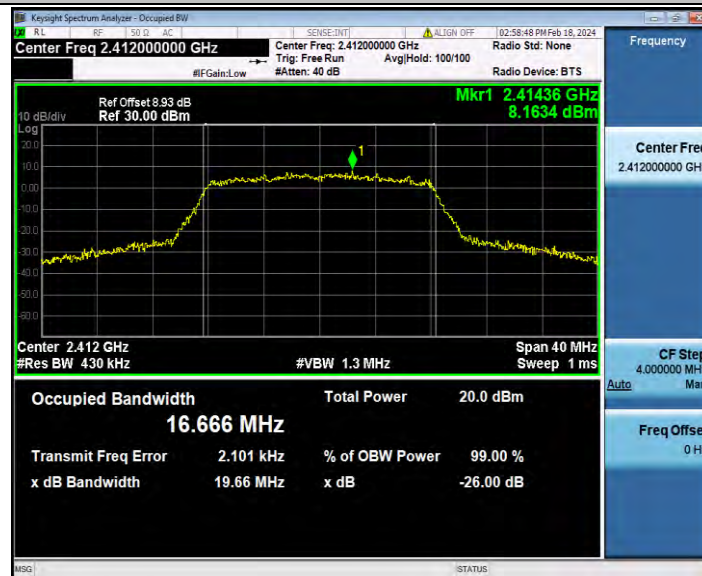
11G_Ant1_2437



11G_Ant1_2462



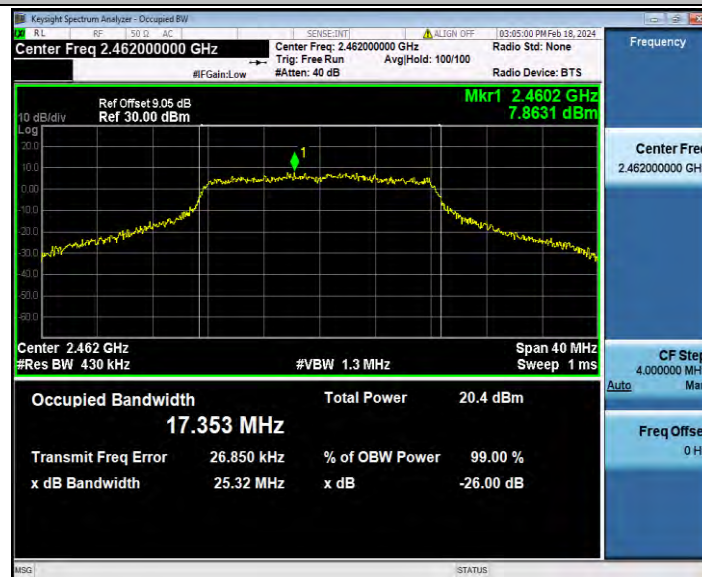
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



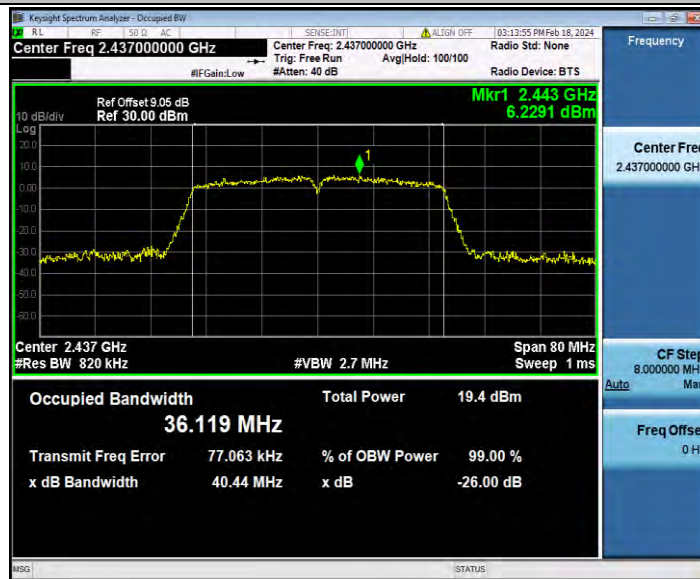
11N20SISO_Ant1_2462



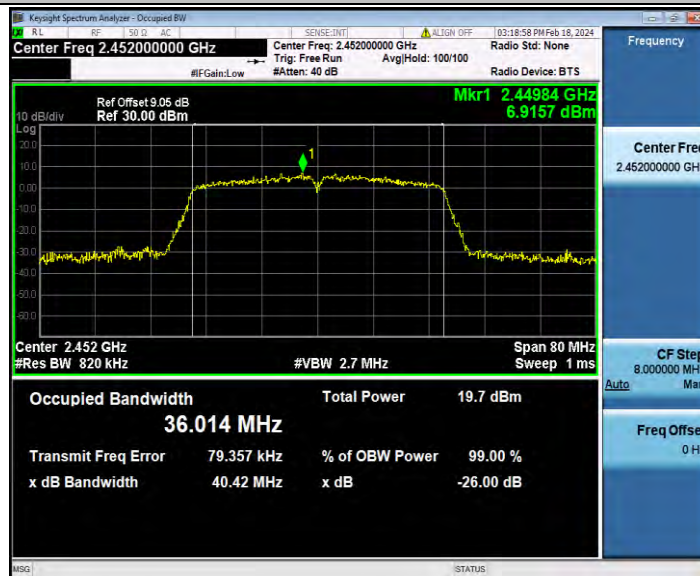
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



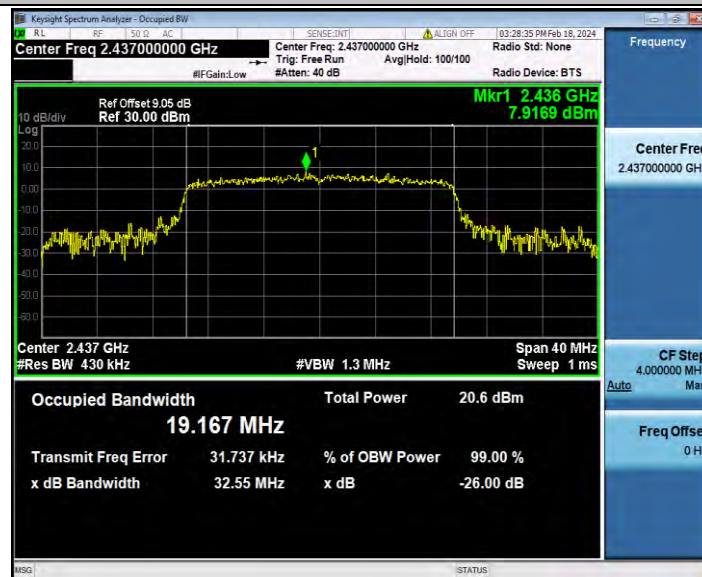
11N40SISO_Ant1_2452



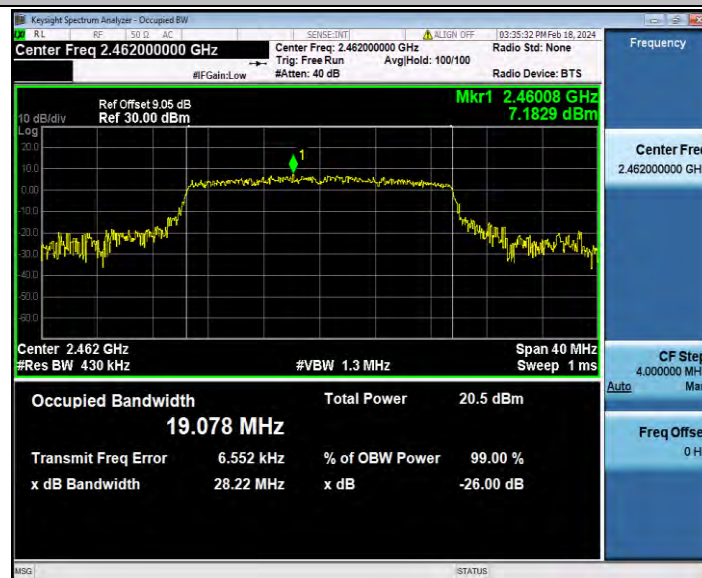
11AX20SISO_Ant1_2412



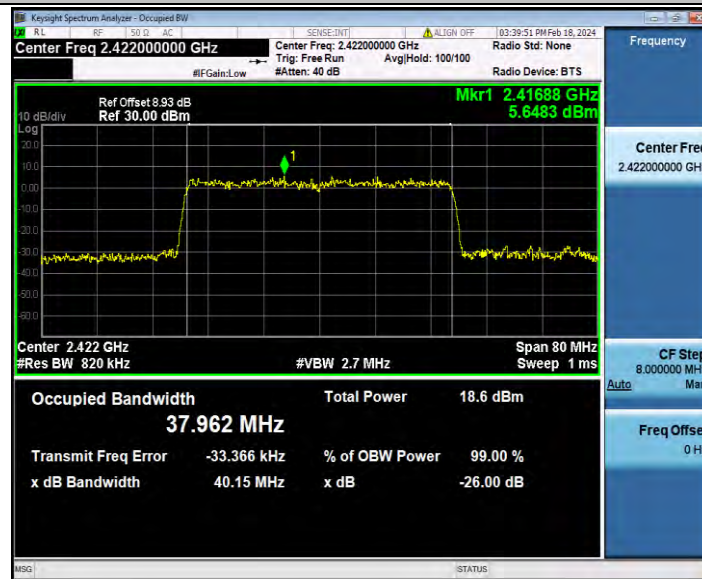
11AX20SISO_Ant1_2437



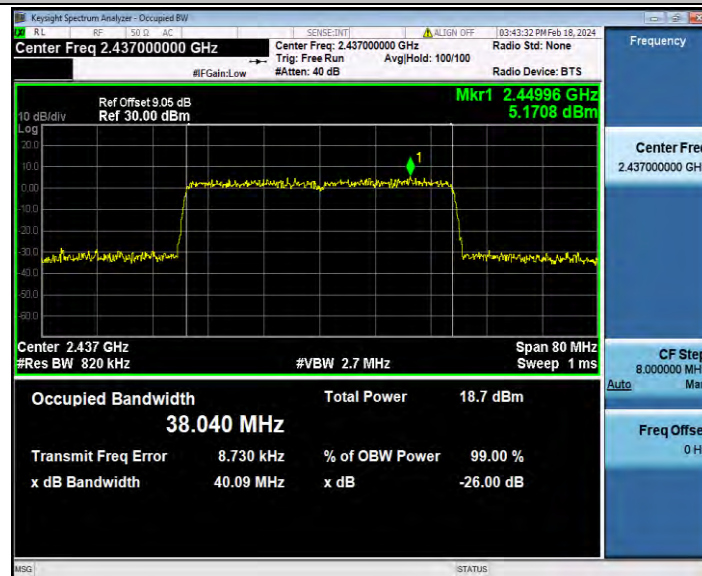
11AX20SISO_Ant1_2462



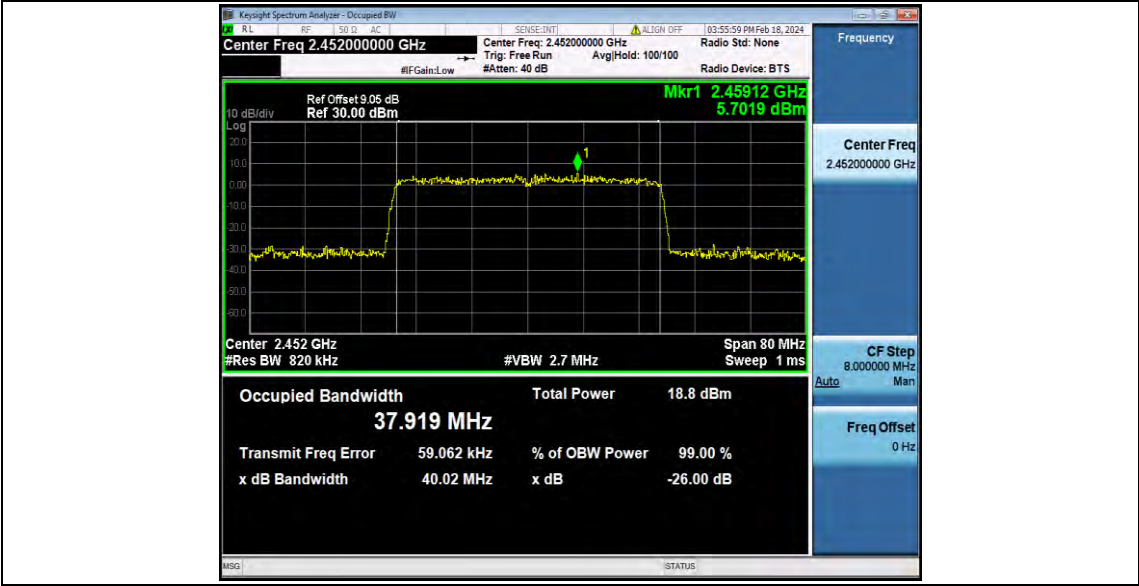
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



Appendix C.3: Maximum conducted output power

Test Result

Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	17.85	0	0	17.85	≤30.00	PASS
		2437	17.83	0	0	17.83	≤30.00	PASS
		2462	18.23	0	0	18.23	≤30.00	PASS
11G	Ant1	2412	20.59	0	0	20.59	≤30.00	PASS
		2437	20.84	0	0	20.84	≤30.00	PASS
		2462	21.04	0	0	21.04	≤30.00	PASS
11N20 SISO	Ant1	2412	20.74	0	0	20.74	≤30.00	PASS
		2437	20.97	0	0	20.97	≤30.00	PASS
		2462	21.16	0	0	21.16	≤30.00	PASS
11N40 SISO	Ant1	2422	23.77	0	0	23.77	≤30.00	PASS
		2437	19.63	0	0	19.63	≤30.00	PASS
		2452	19.90	0	0	19.90	≤30.00	PASS
11AX20 SISO	Ant1	2412	21.22	0	0	21.22	≤30.00	PASS
		2437	21.04	0	0	21.04	≤30.00	PASS
		2462	20.96	0	0	20.96	≤30.00	PASS
11AX40 SISO	Ant1	2422	18.71	0	0	18.71	≤30.00	PASS
		2437	18.78	0	0	18.78	≤30.00	PASS
		2452	18.90	0	0	18.90	≤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	-10.18	≤8.00	PASS
		2437	1.96	≤8.00	PASS
		2462	-9.65	≤8.00	PASS
11G	Ant1	2412	-12.46	≤8.00	PASS
		2437	-12.83	≤8.00	PASS
		2462	-12.53	≤8.00	PASS
11N20SISO	Ant1	2412	-11.11	≤8.00	PASS
		2437	-11.38	≤8.00	PASS
		2462	-11.84	≤8.00	PASS
11N40SISO	Ant1	2422	-10.24	≤8.00	PASS
		2437	-14.36	≤8.00	PASS
		2452	-14.75	≤8.00	PASS
11AX20SISO	Ant1	2412	-11.55	≤8.00	PASS
		2437	-12.89	≤8.00	PASS
		2462	-12.67	≤8.00	PASS
11AX40SISO	Ant1	2422	-16.17	≤8.00	PASS
		2437	-16.59	≤8.00	PASS
		2452	-16.28	≤8.00	PASS

Note:

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

Test Graphs

11B_Ant1_2412



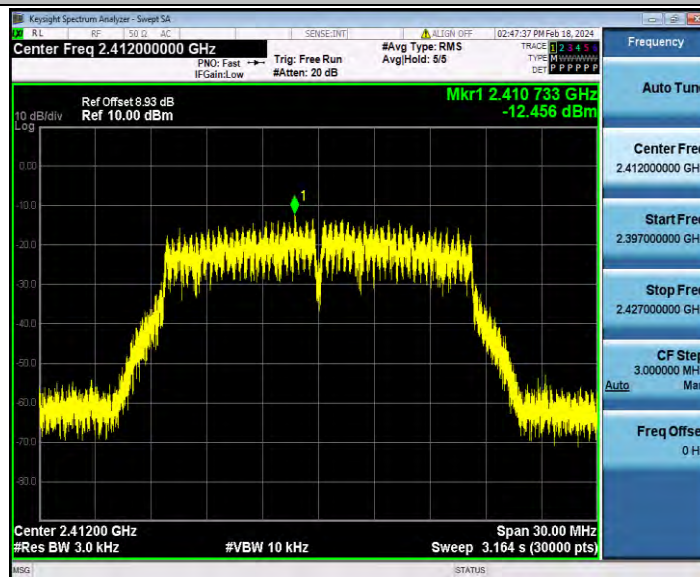
11B_Ant1_2437



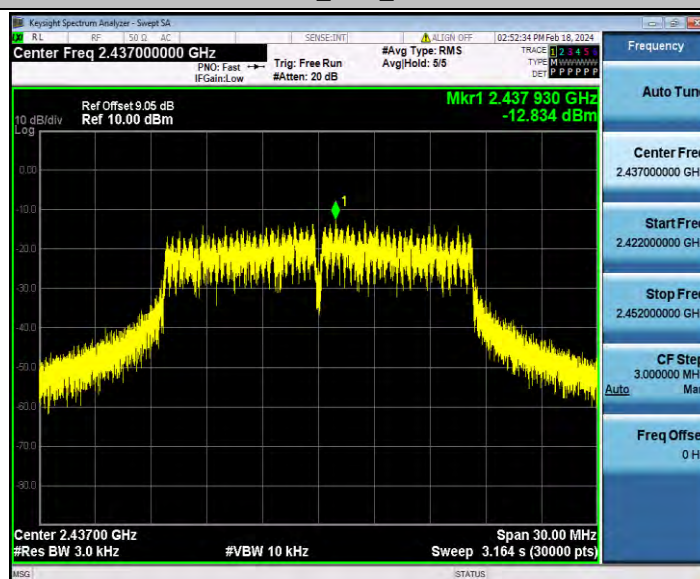
11B_Ant1_2462



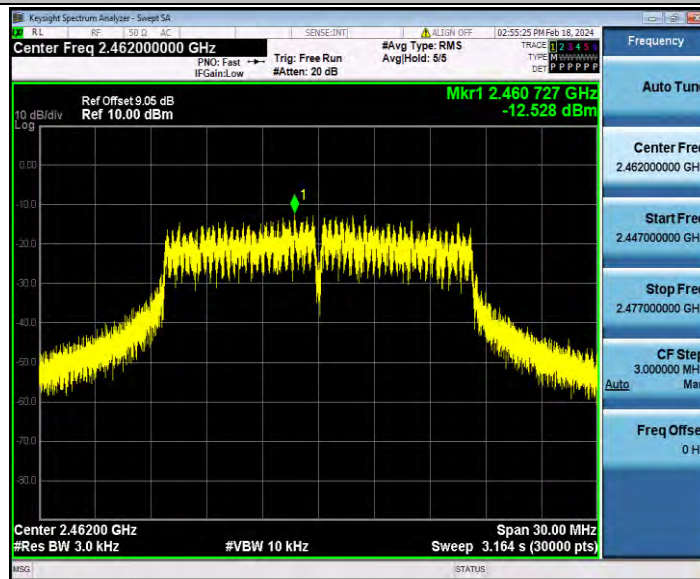
11G_Ant1_2412



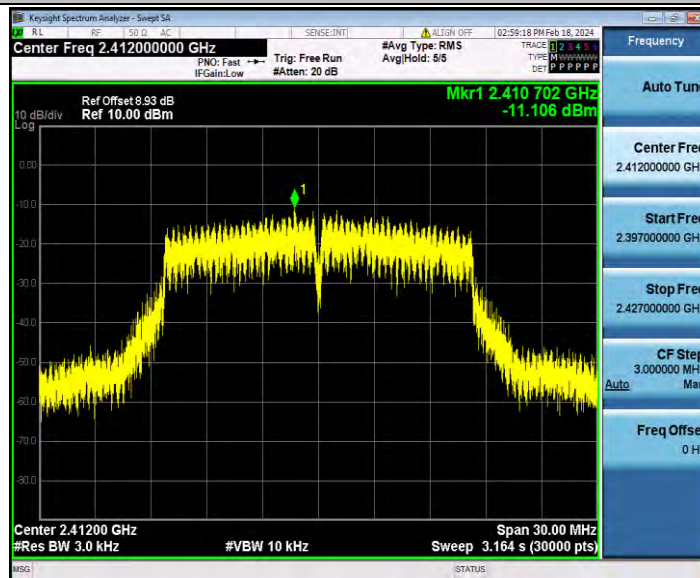
11G_Ant1_2437



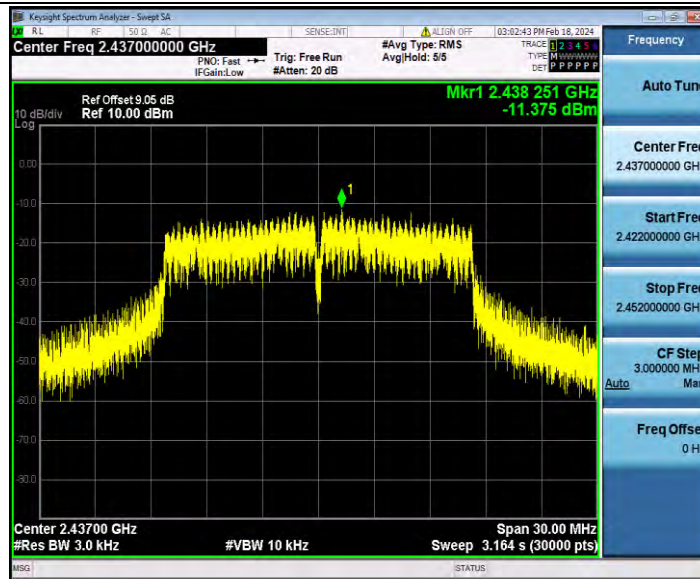
11G_Ant1_2462



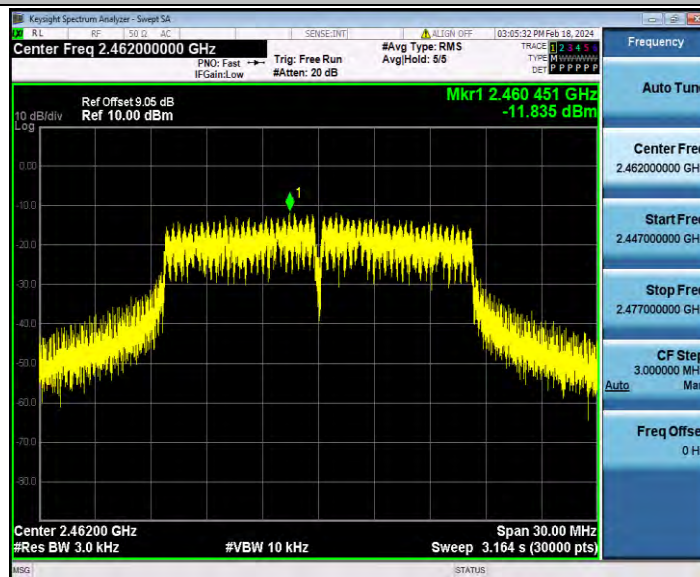
11N20SISO_Ant1_2412



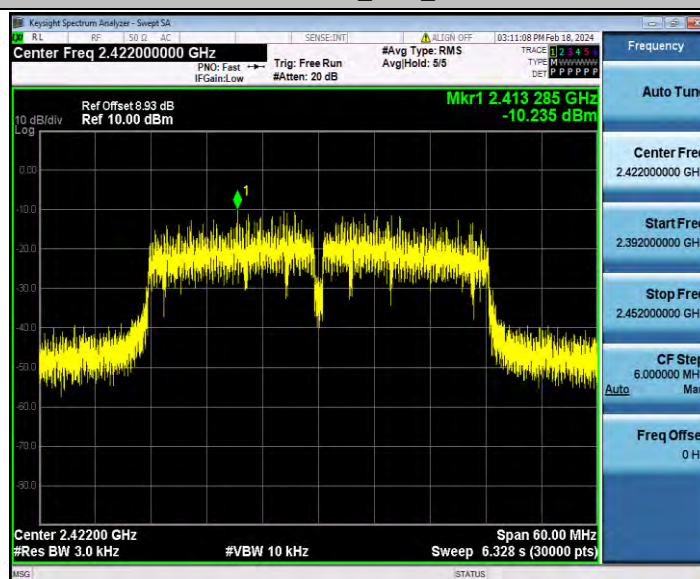
11N20SISO_Ant1_2437



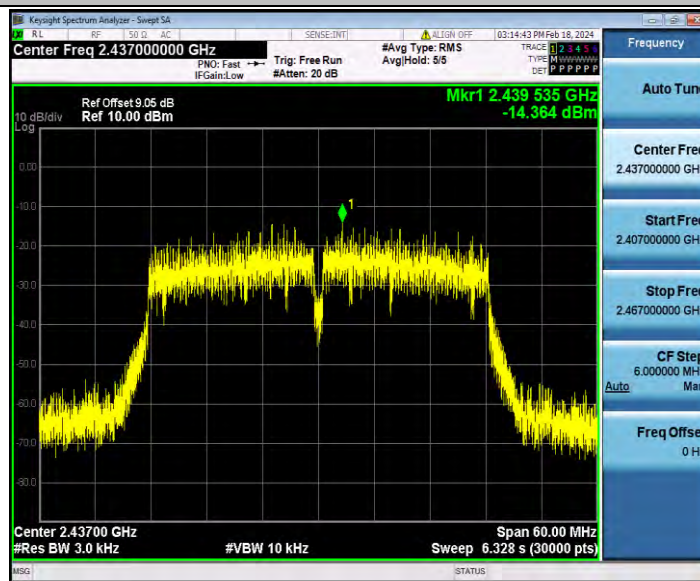
11N20SISO_Ant1_2462



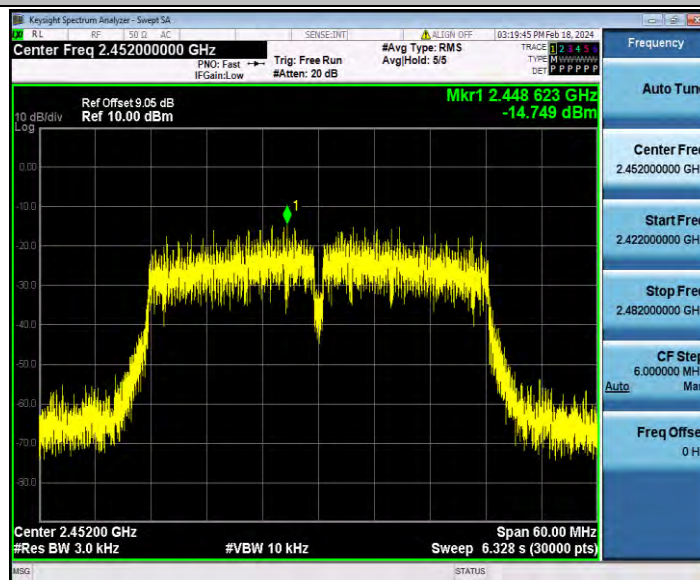
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



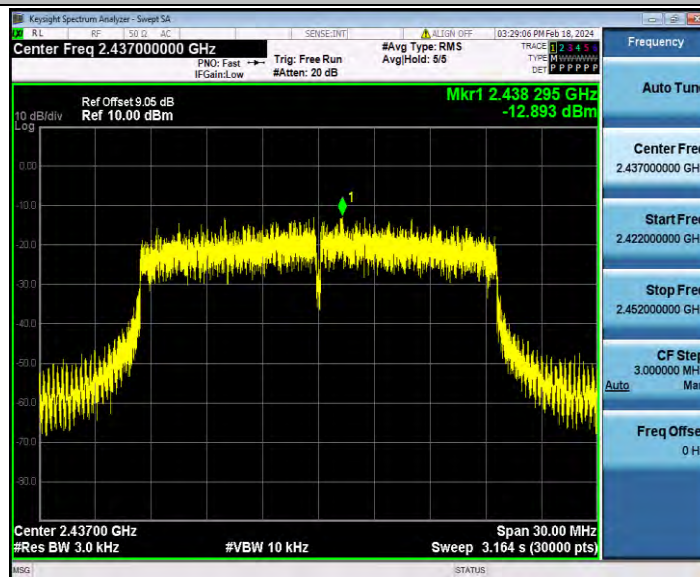
11N40SISO_Ant1_2452



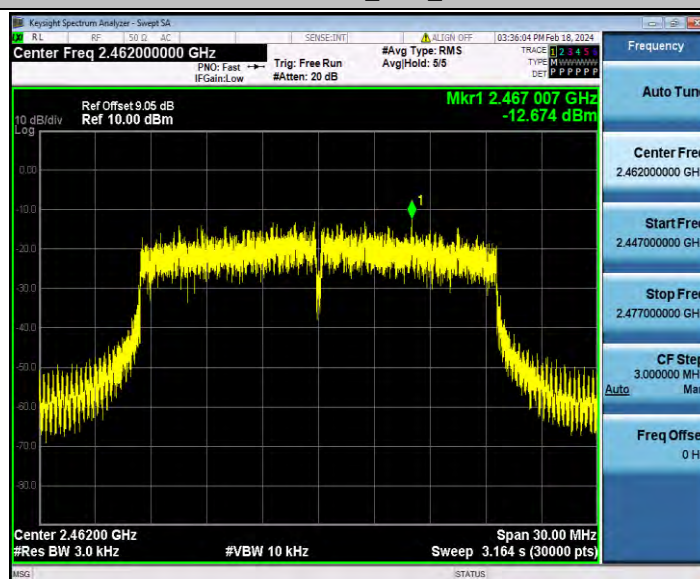
11AX20SISO_Ant1_2412



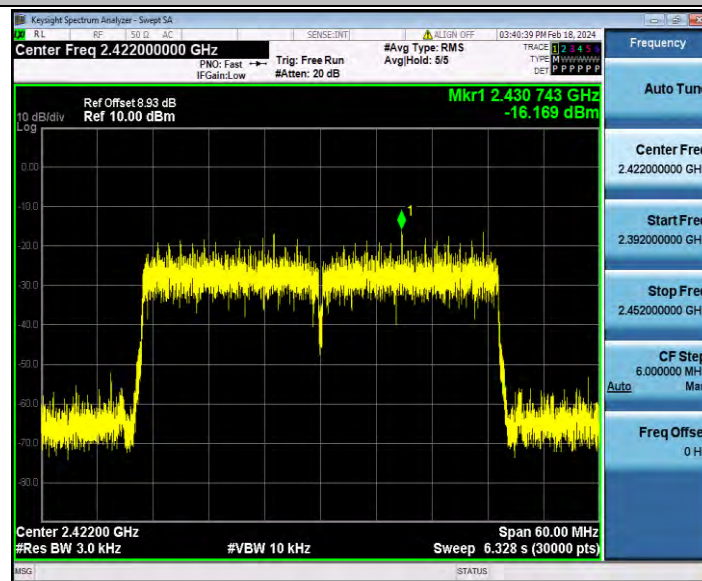
11AX20SISO_Ant1_2437



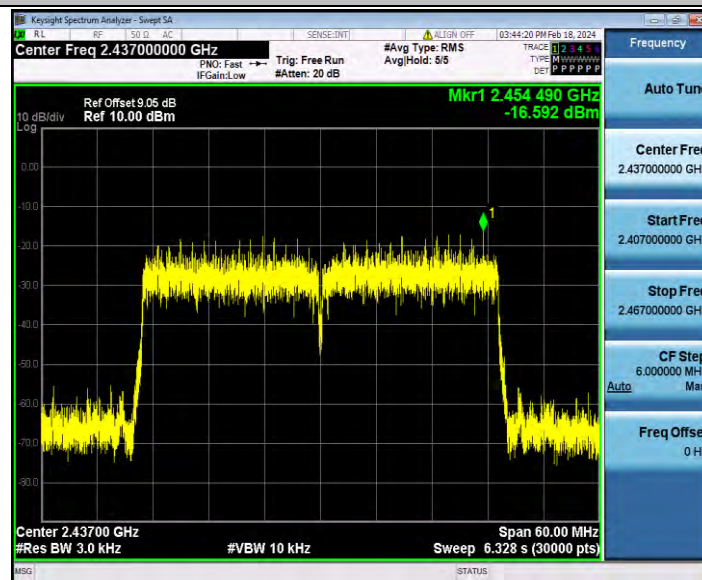
11AX20SISO_Ant1_2462



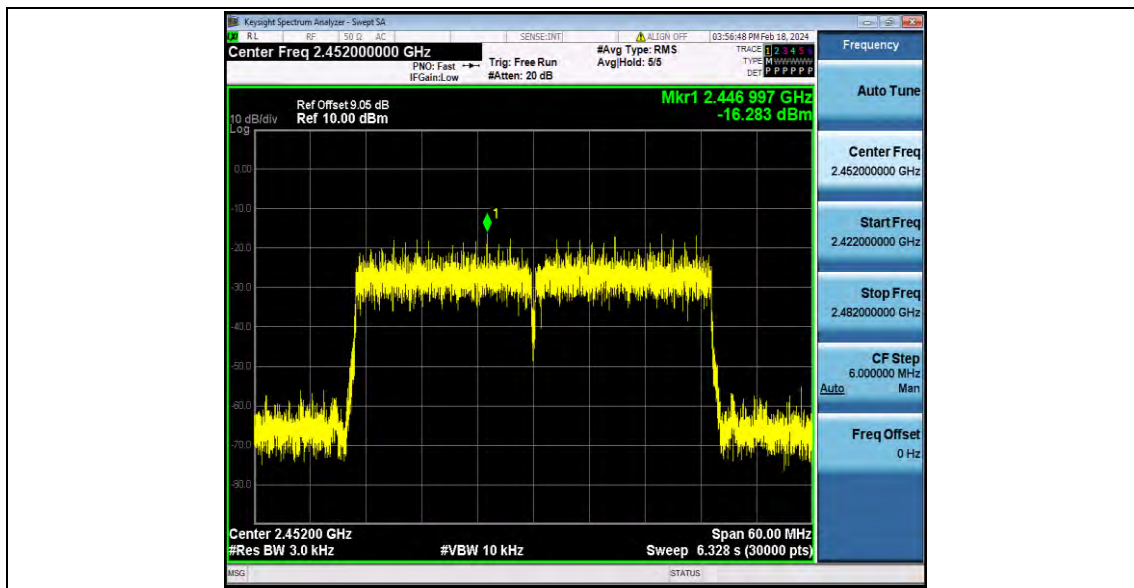
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452

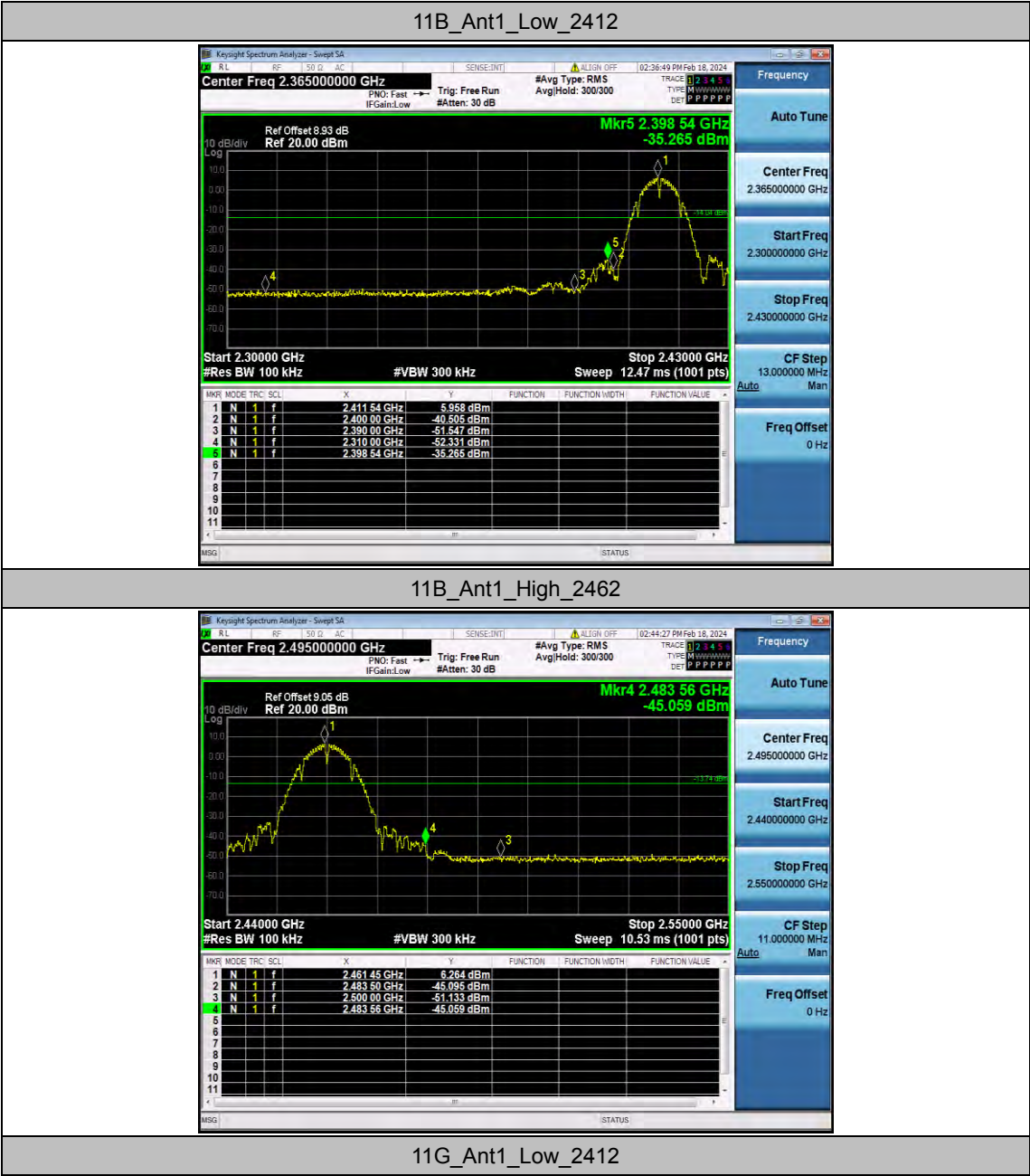


Appendix C.5: Band edge measurements

Test Result

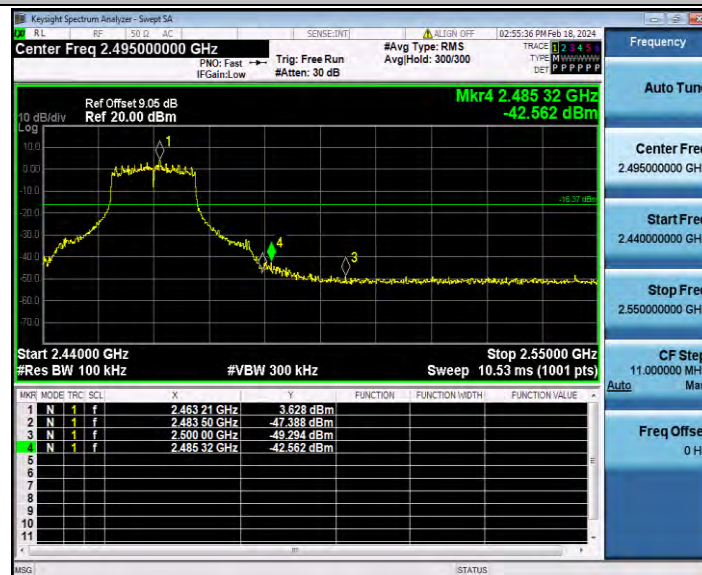
TestMode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	Low	2412	5.96	-35.27	≤ -14.04	PASS
		High	2462	6.26	-45.06	≤ -13.74	PASS
11G	Ant1	Low	2412	3.23	-36.35	≤ -16.78	PASS
		High	2462	3.63	-42.56	≤ -16.37	PASS
11N20 SISO	Ant1	Low	2412	4.07	-31.22	≤ -15.93	PASS
		High	2462	4.55	-42.69	≤ -15.46	PASS
11N40 SISO	Ant1	Low	2422	3.80	-23.08	≤ -16.2	PASS
		High	2452	-0.07	-41.61	≤ -20.07	PASS
11AX20 SISO	Ant1	Low	2412	3.28	-30.72	≤ -16.72	PASS
		High	2462	2.96	-42.04	≤ -17.04	PASS
11AX40 SISO	Ant1	Low	2422	-3.11	-37.91	≤ -23.11	PASS
		High	2452	-2.10	-41.41	≤ -22.1	PASS

Test Graphs

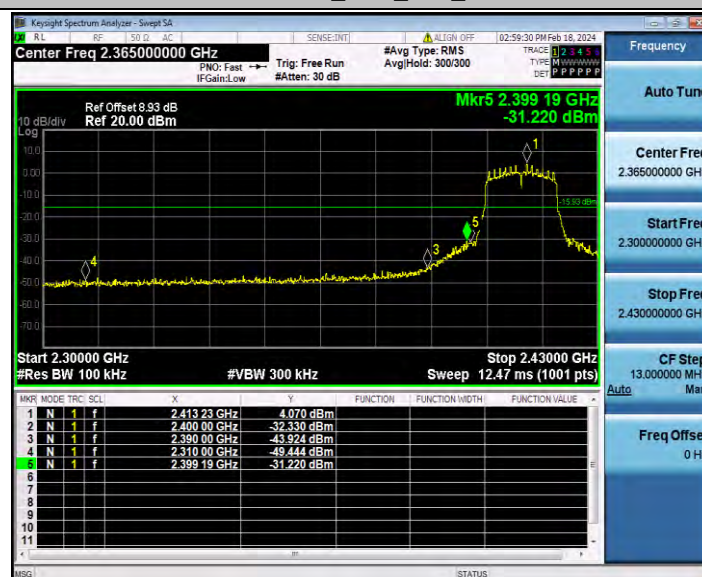




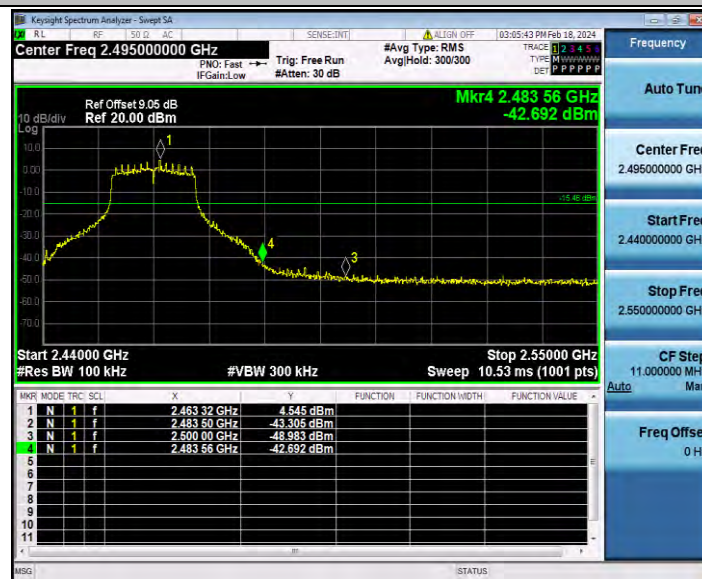
11G_Ant1_High_2462



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

