

Case No. : <u>GTS20231208004-1-16</u>	
Ambient Condition: <u>23</u> °C, <u>48</u> %RH,	
Test Date: <u>2024.1.3</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	7.800	2408.080	2415.880	0.5	PASS
		2437	7.920	2433.000	2440.920	0.5	PASS
		2462	7.520	2458.320	2465.840	0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	0.5	PASS
		2437	12.280	2430.720	2443.000	0.5	PASS
		2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.120	2403.240	2420.360	0.5	PASS
		2437	14.040	2430.720	2444.760	0.5	PASS
		2462	15.640	2453.880	2469.520	0.5	PASS
11N40SISO	Ant1	2422	33.840	2405.680	2439.520	0.5	PASS
		2437	29.200	2420.680	2449.880	0.5	PASS
		2452	30.560	2434.560	2465.120	0.5	PASS
11AX20SISO	Ant1	2412	14.680	2404.800	2419.480	0.5	PASS
		2437	17.040	2428.400	2445.440	0.5	PASS
		2462	15.480	2454.240	2469.720	0.5	PASS
11AX40SISO	Ant1	2422	32.560	2405.760	2438.320	0.5	PASS
		2437	34.960	2419.560	2454.520	0.5	PASS
		2452	32.800	2435.600	2468.400	0.5	PASS

Test Graphs



11B_Ant1_2437

Frequency

Auto Tune

Center Freq
2.437000000 GHzStart Freq
2.417000000 GHzStop Freq
2.457000000 GHzCF Step
4.000000 MHz
Auto ManFreq Offset
0 Hz

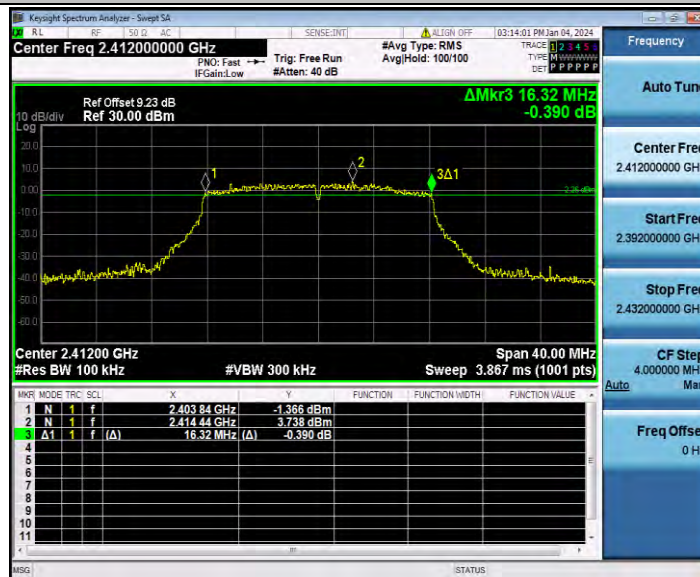
MSG

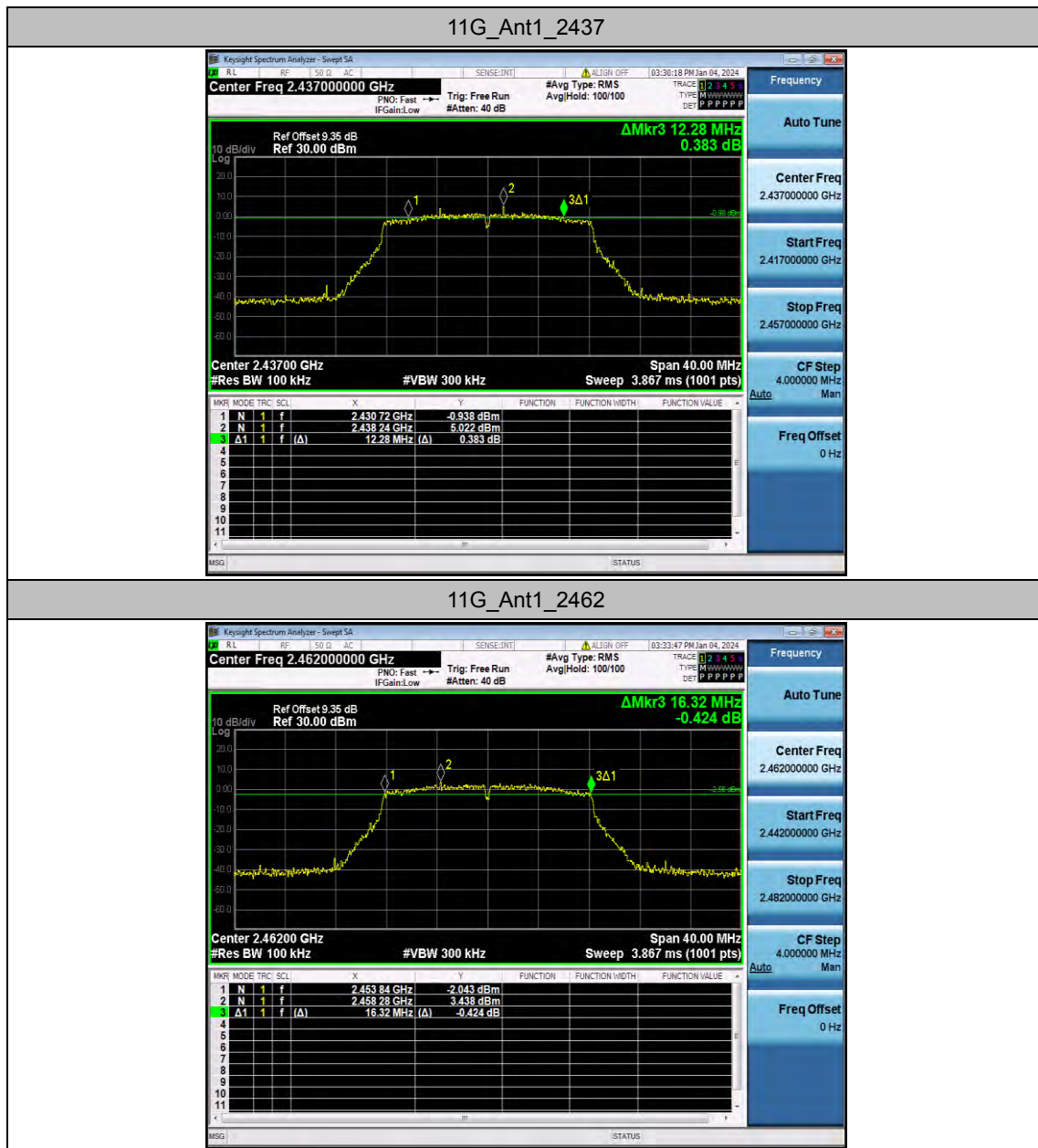
STATUS

11B_Ant1_2462

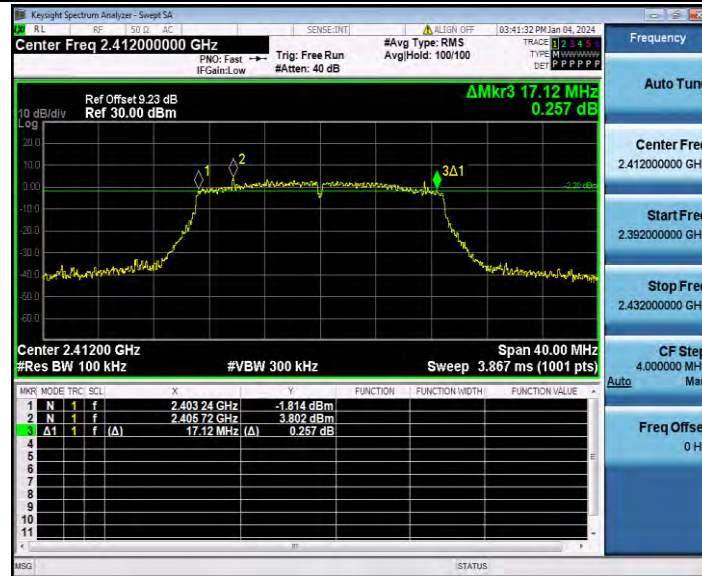


11G_Ant1_2412

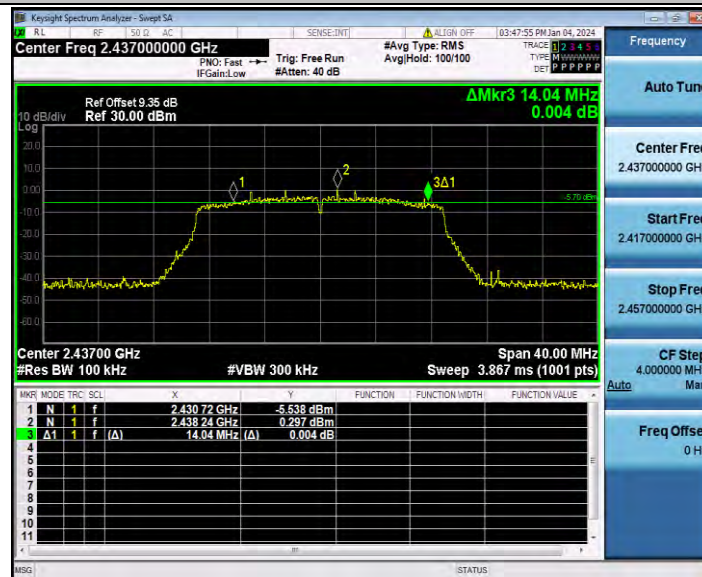




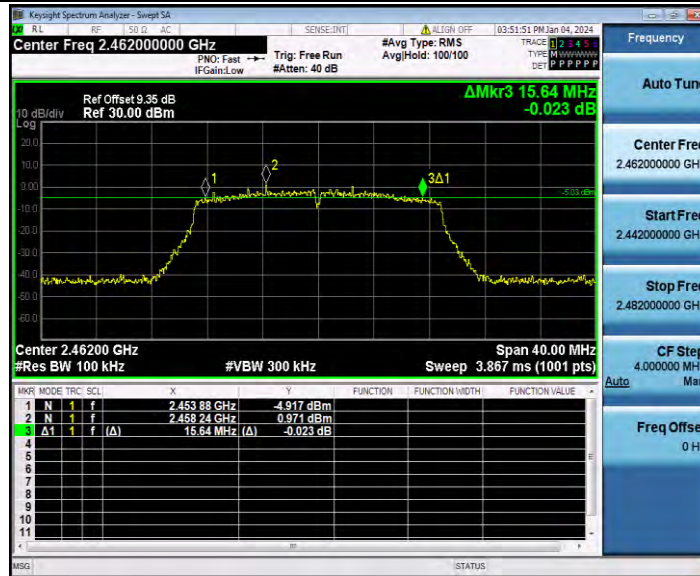
11N20SISO_Ant1_2412



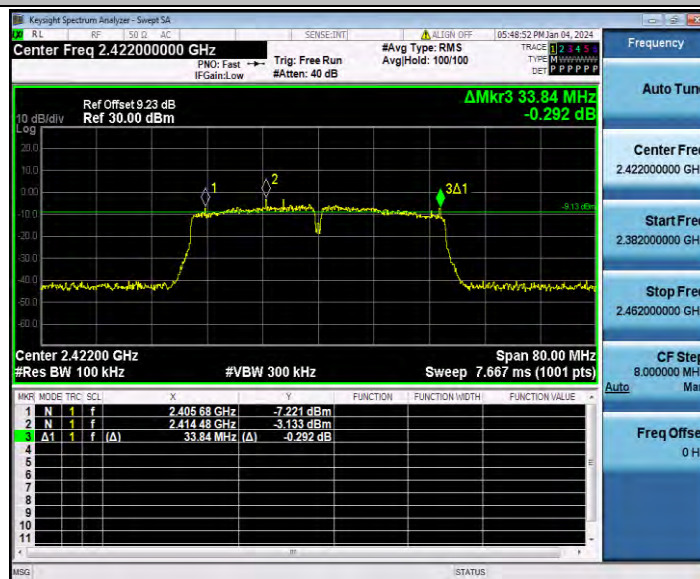
11N20SISO_Ant1_2437

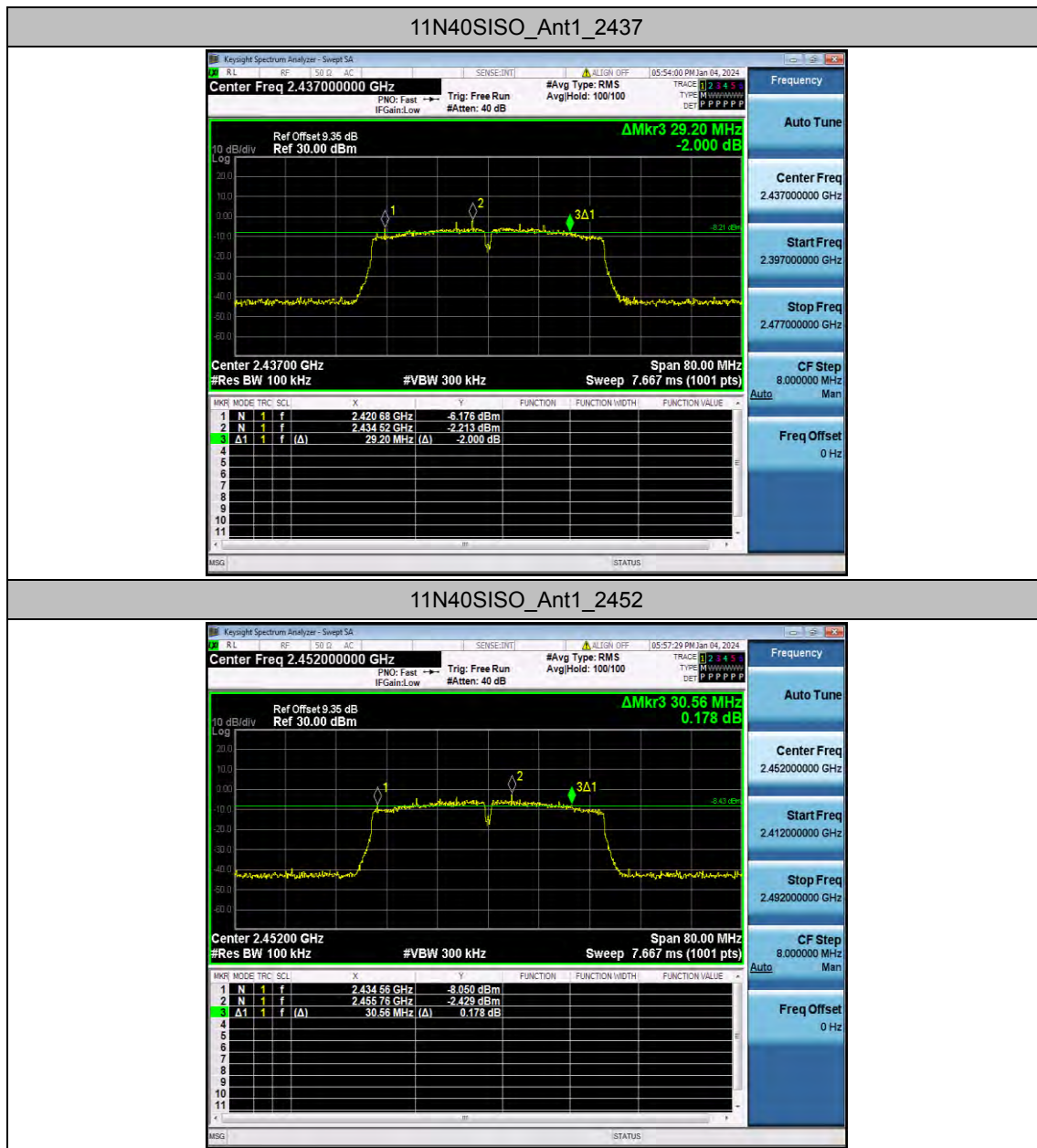


11N20SISO_Ant1_2462

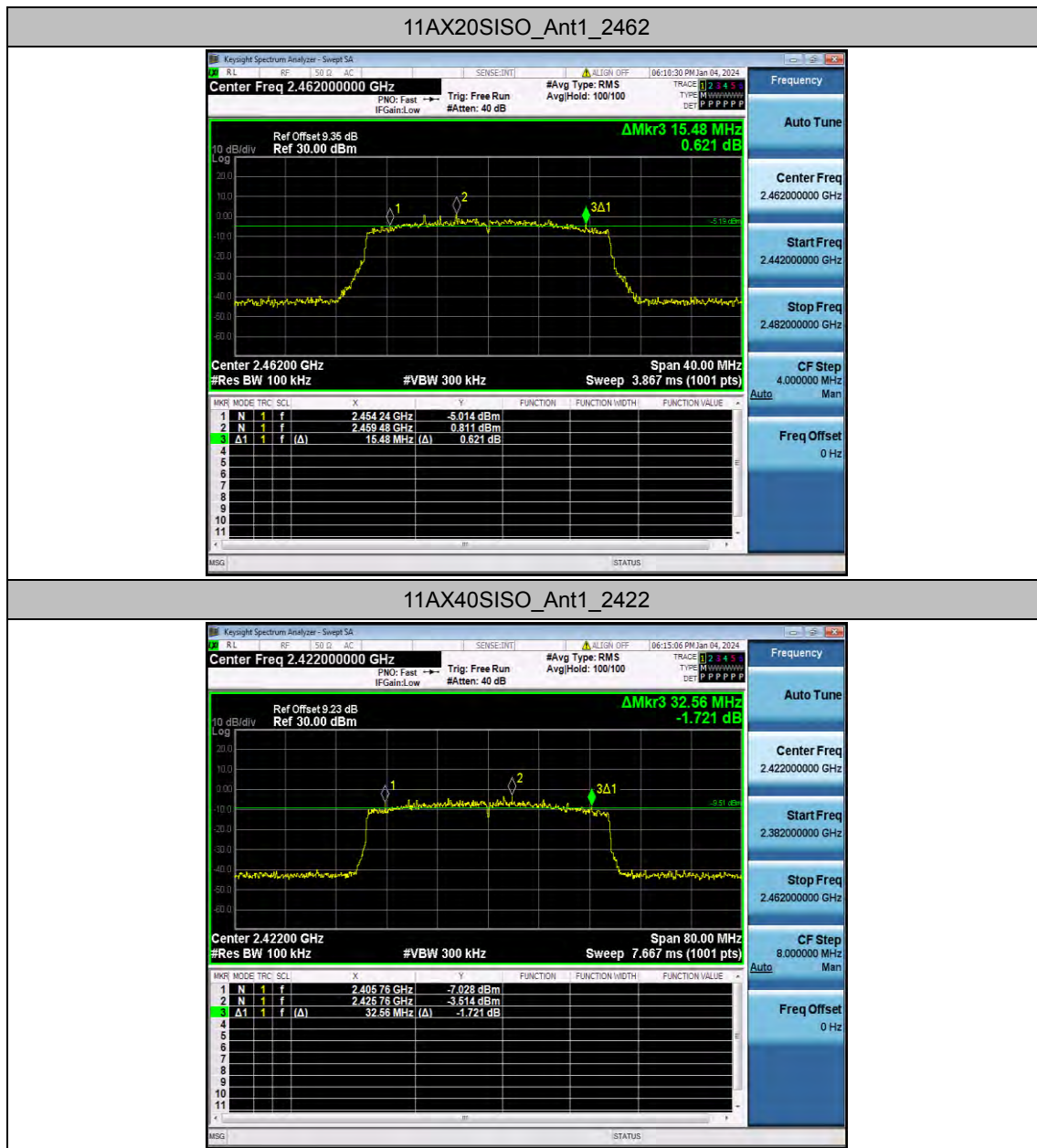


11N40SISO_Ant1_2422

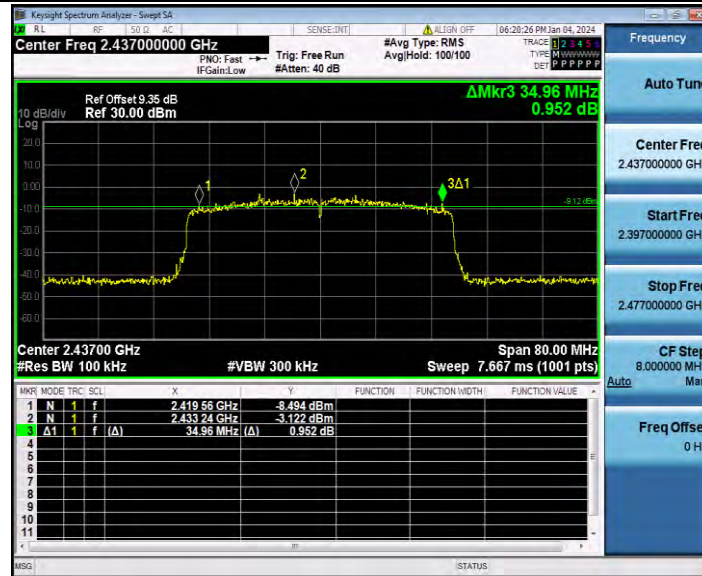




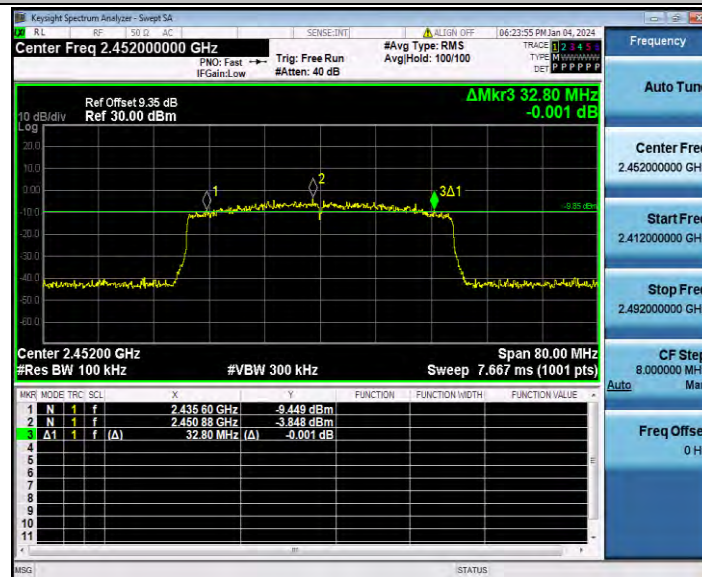




11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



Appendix C.2: Occupied Channel Bandwidth

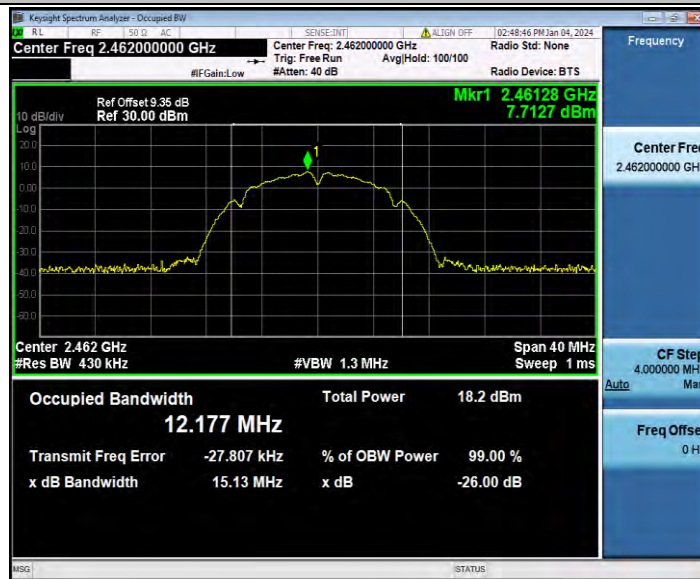
Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.200	2405.860	2418.060	---	---
		2437	12.196	2430.914	2443.110	---	---
		2462	12.177	2455.884	2468.061	---	---
11G	Ant1	2412	16.669	2403.629	2420.298	---	---
		2437	16.704	2428.690	2445.394	---	---
		2462	16.711	2453.618	2470.329	---	---
11N20SISO	Ant1	2412	17.715	2403.100	2420.815	---	---
		2437	17.676	2428.176	2445.852	---	---
		2462	17.731	2453.131	2470.862	---	---
11N40SISO	Ant1	2422	35.922	2404.008	2439.930	---	---
		2437	35.969	2419.007	2454.976	---	---
		2452	35.816	2434.068	2469.884	---	---
11AX20SISO	Ant1	2412	18.791	2402.577	2421.368	---	---
		2437	18.788	2427.653	2446.441	---	---
		2462	18.693	2452.622	2471.315	---	---
11AX40SISO	Ant1	2422	37.269	2403.308	2440.577	---	---
		2437	37.237	2418.373	2455.610	---	---
		2452	37.162	2433.386	2470.548	---	---

Test Graphs



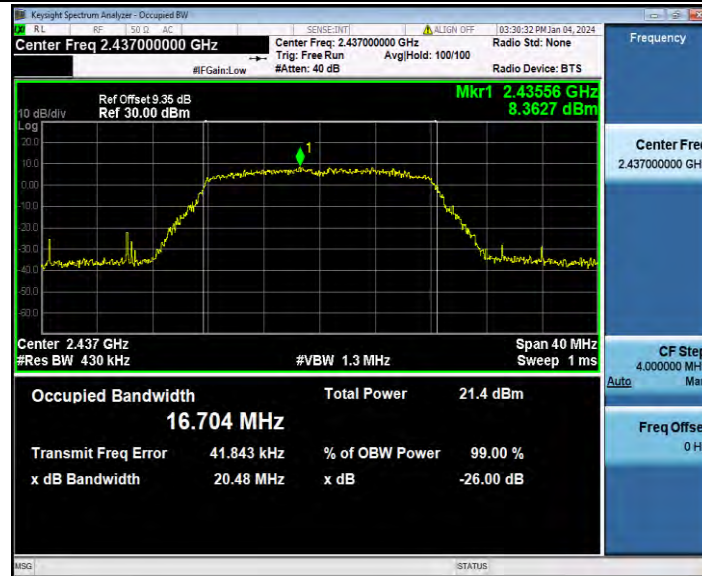
11B_Ant1_2462



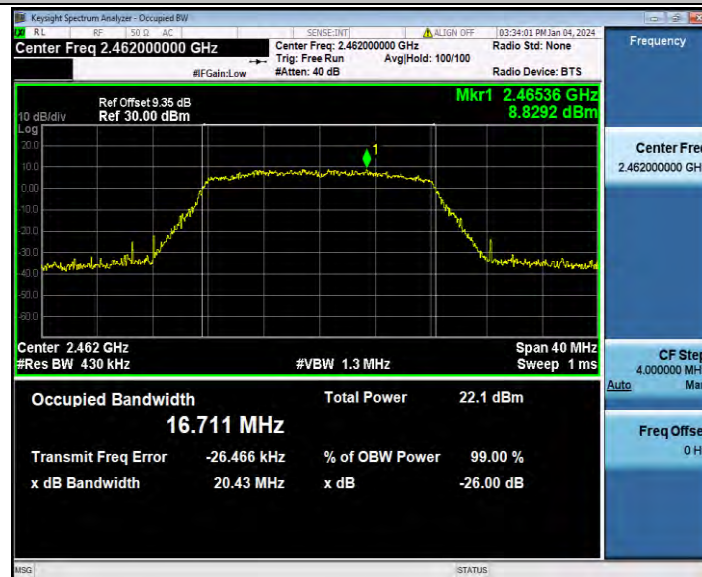
11G_Ant1_2412

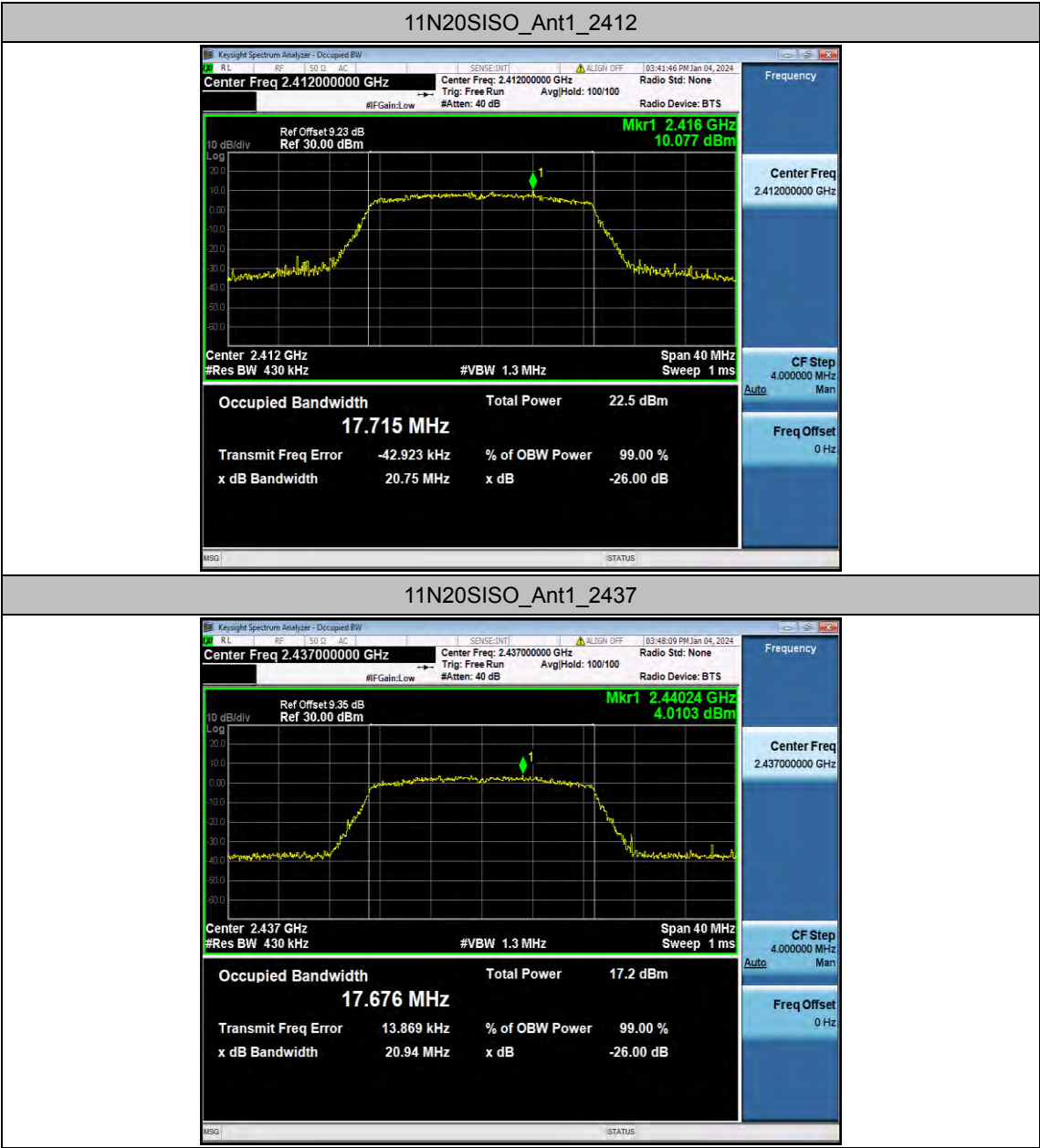


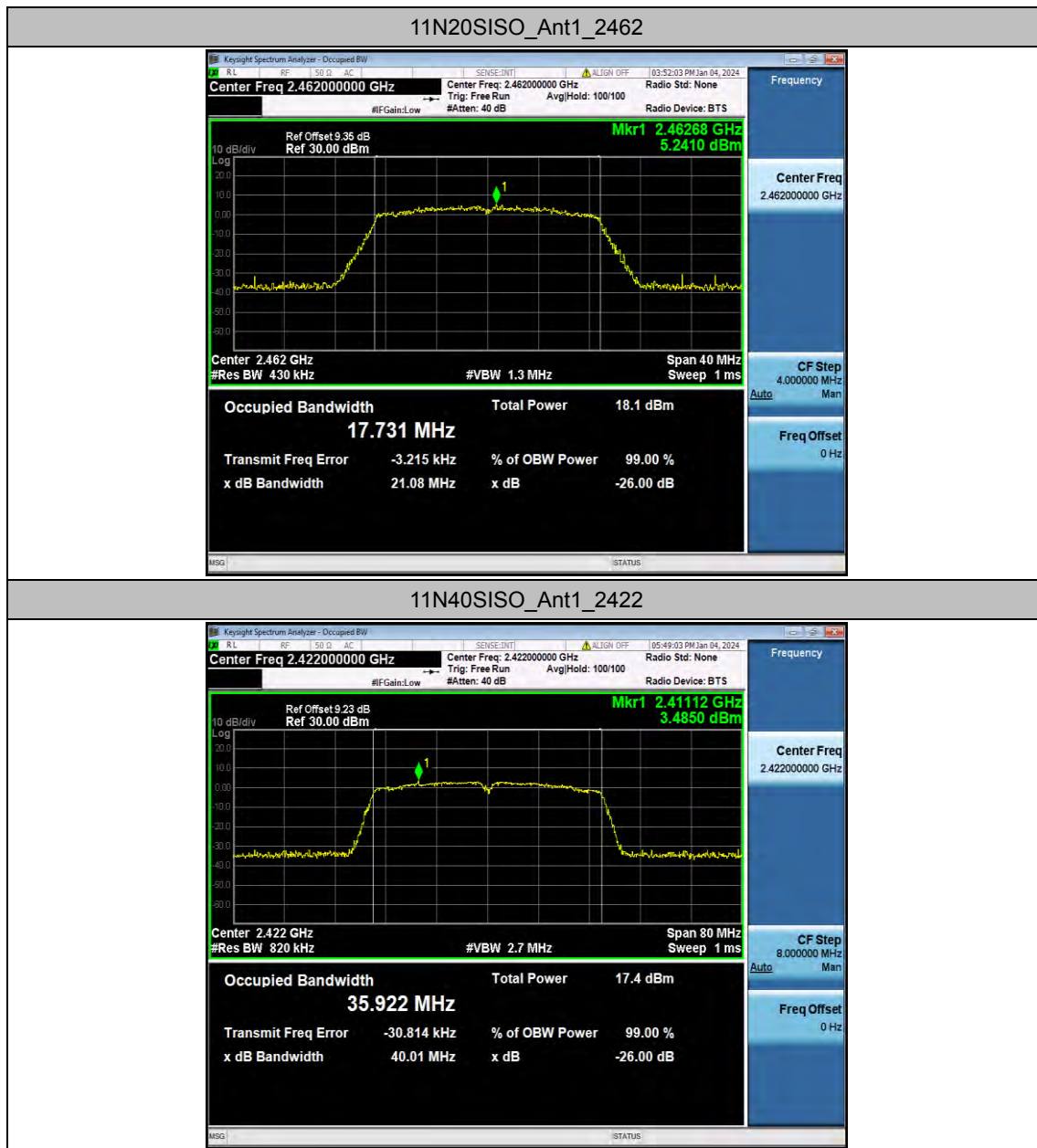
11G_Ant1_2437

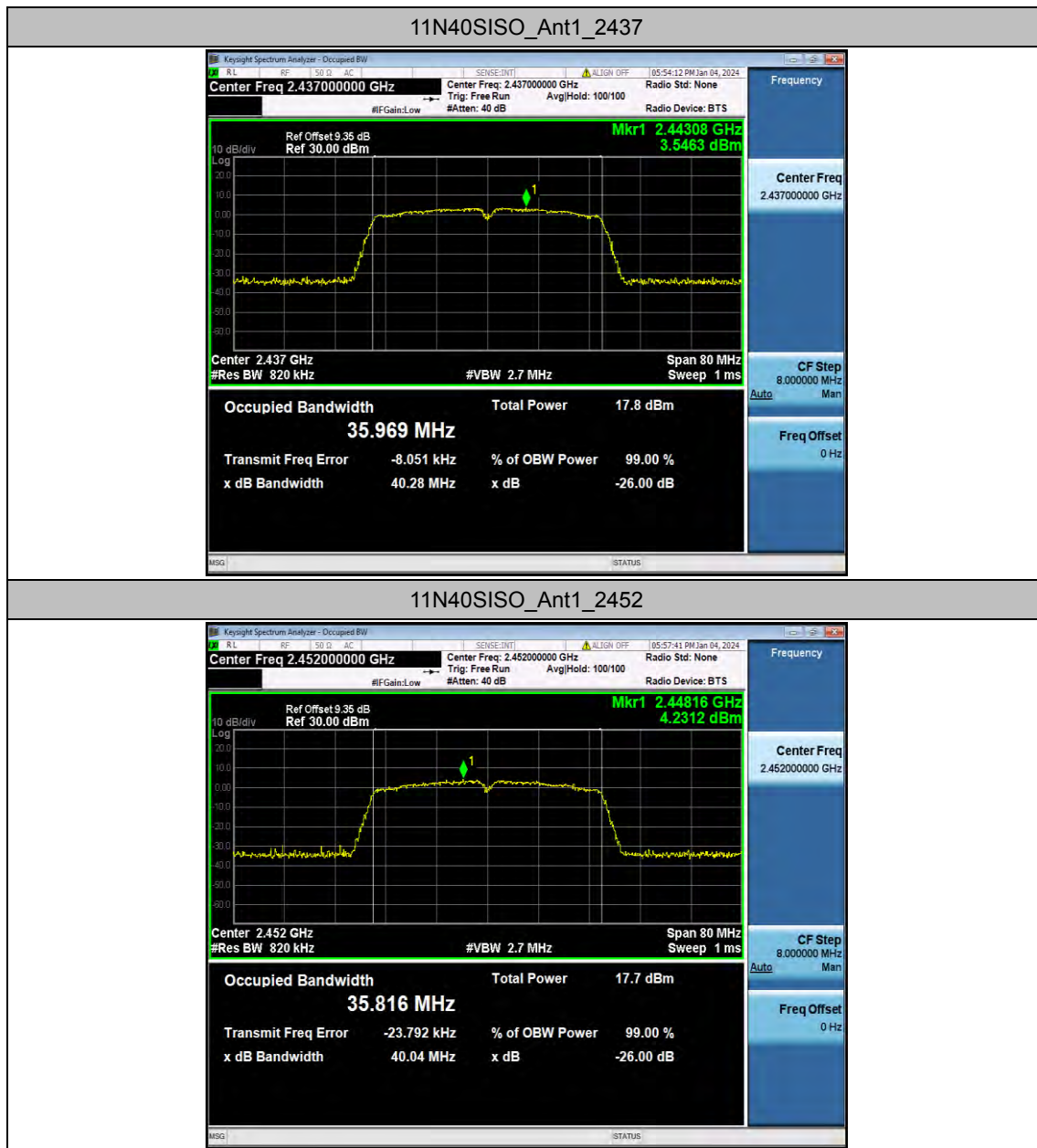


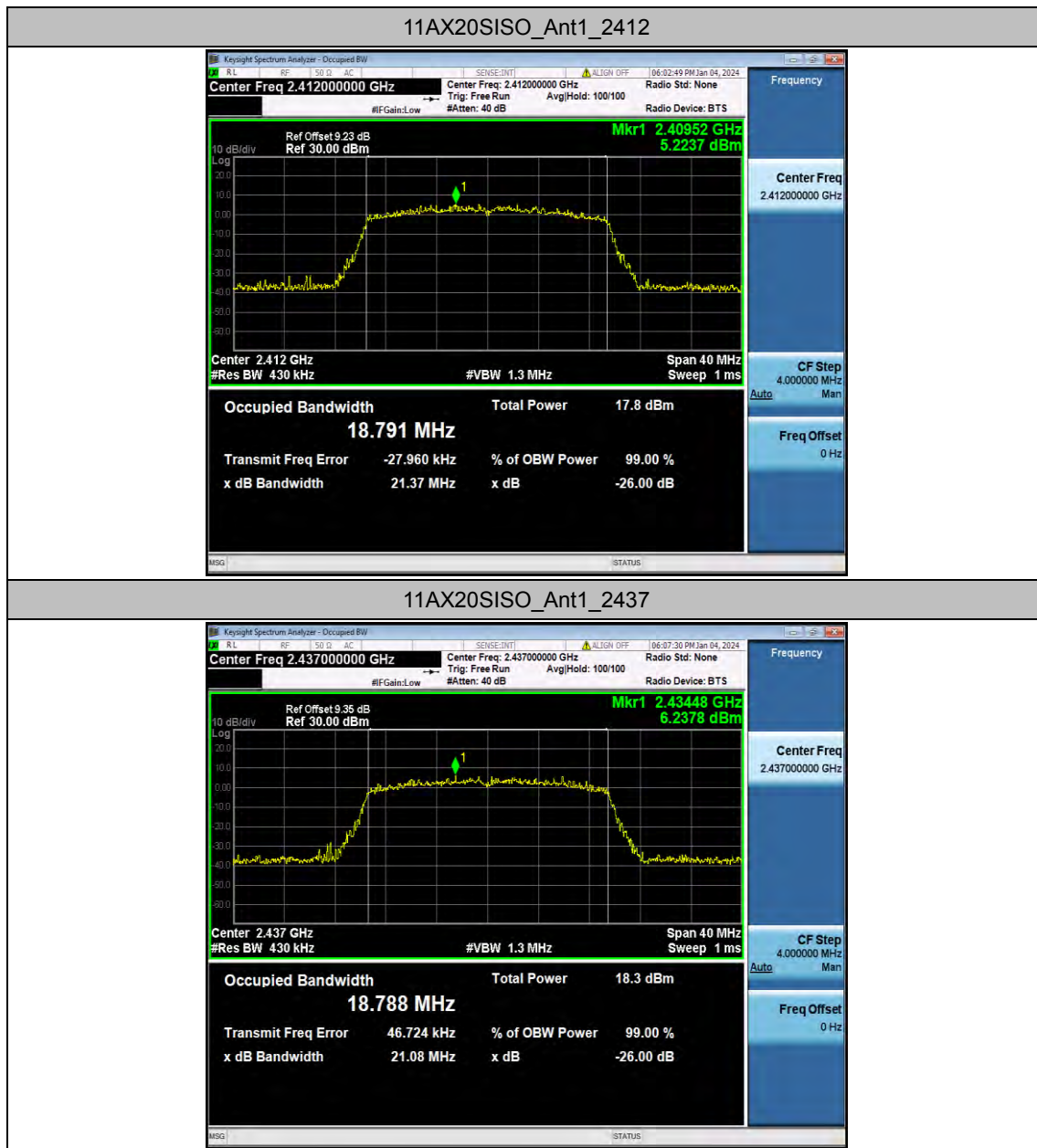
11G_Ant1_2462

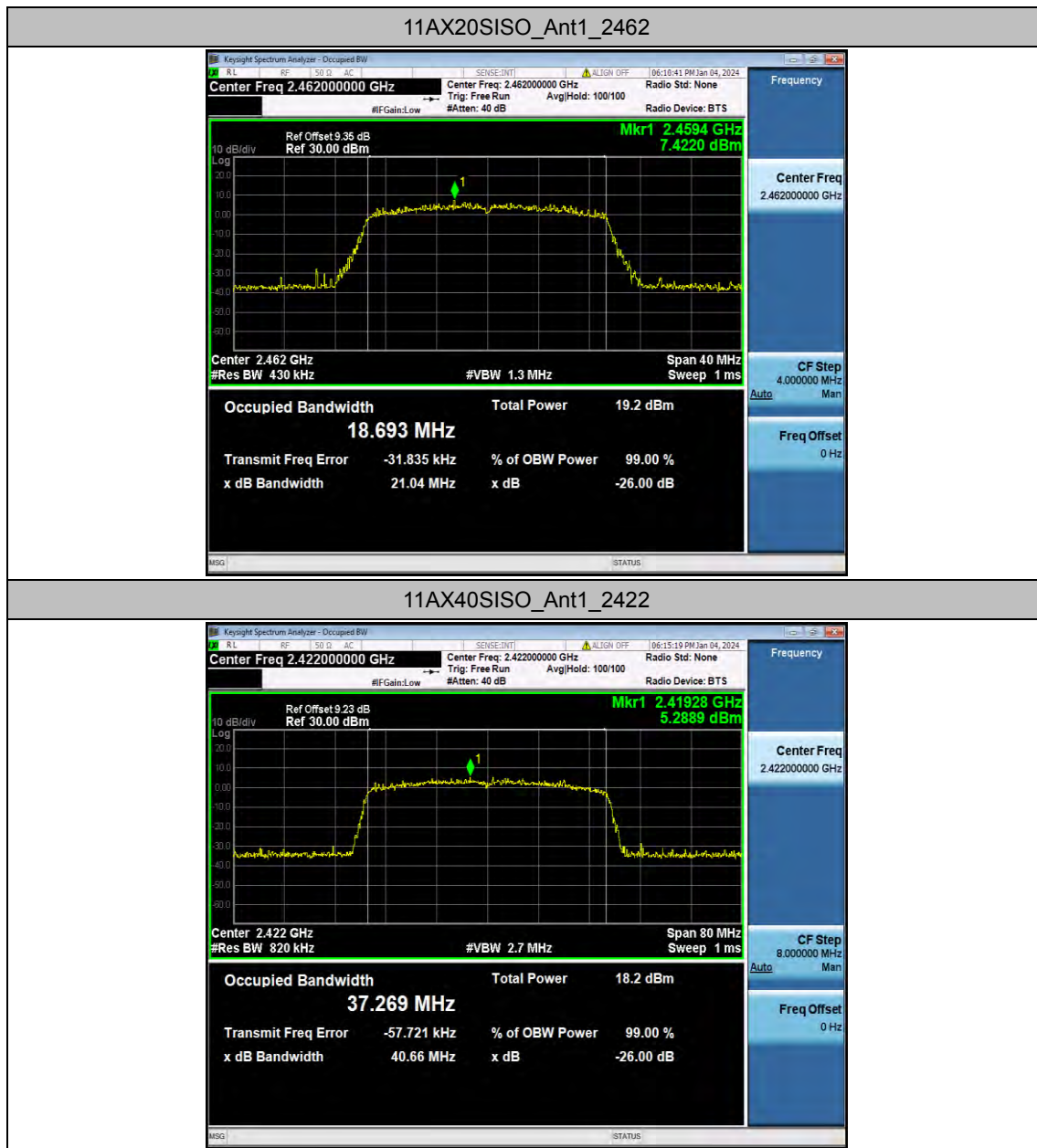


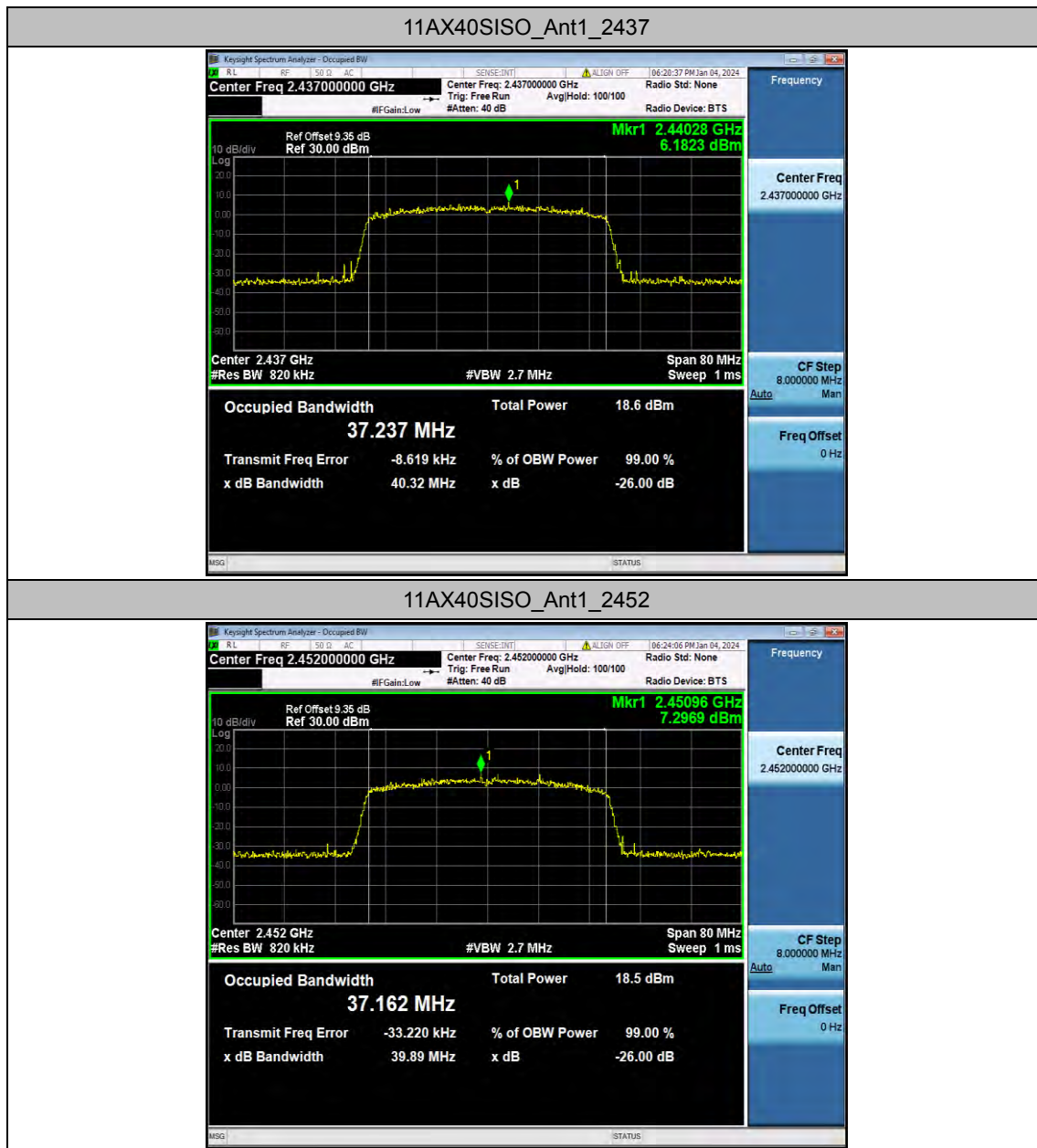












Appendix C.3: Maximum conducted output power

Test Result Average

Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	17.66	0	0	17.66	≤30.00	PASS
		2437	17.53	0	0	17.53	≤30.00	PASS
		2462	17.88	0	0	17.88	≤30.00	PASS
11G	Ant1	2412	23.78	0	0	23.78	≤30.00	PASS
		2437	22.52	0	0	22.52	≤30.00	PASS
		2462	23.46	0	0	23.46	≤30.00	PASS
11N20SISO	Ant1	2412	23.69	0	0	23.69	≤30.00	PASS
		2437	18.42	0	0	18.42	≤30.00	PASS
		2462	19.24	0	0	19.24	≤30.00	PASS
11N40SISO	Ant1	2422	17.71	0	0	17.71	≤30.00	PASS
		2437	18.12	0	0	18.12	≤30.00	PASS
		2452	18.16	0	0	18.16	≤30.00	PASS
11AX20SISO	Ant1	2412	18.45	0	0	18.45	≤30.00	PASS
		2437	19.08	0	0	19.08	≤30.00	PASS
		2462	19.84	0	0	19.84	≤30.00	PASS
11AX40SISO	Ant1	2422	18.35	0	0	18.35	≤30.00	PASS
		2437	18.69	0	0	18.69	≤30.00	PASS
		2452	18.57	0	0	18.57	≤30.00	PASS

Appendix C.4: Maximum power spectral density

Test Result

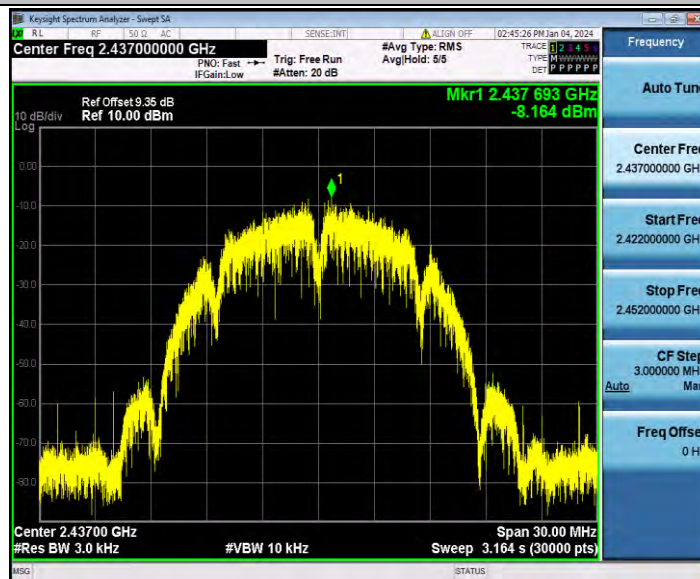
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-8.11	≤8.00	PASS
		2437	-8.16	≤8.00	PASS
		2462	-8.87	≤8.00	PASS
11G	Ant1	2412	-8.1	≤8.00	PASS
		2437	-8.59	≤8.00	PASS
		2462	-8.52	≤8.00	PASS
11N20SISO	Ant1	2412	-8.31	≤8.00	PASS
		2437	-13.25	≤8.00	PASS
		2462	-12.5	≤8.00	PASS
11N40SISO	Ant1	2422	-17	≤8.00	PASS
		2437	-15.78	≤8.00	PASS
		2452	-16.43	≤8.00	PASS
11AX20SISO	Ant1	2412	-15.76	≤8.00	PASS
		2437	-13.13	≤8.00	PASS
		2462	-13.97	≤8.00	PASS
11AX40SISO	Ant1	2422	-17.99	≤8.00	PASS
		2437	-17.91	≤8.00	PASS
		2452	-17.27	≤8.00	PASS

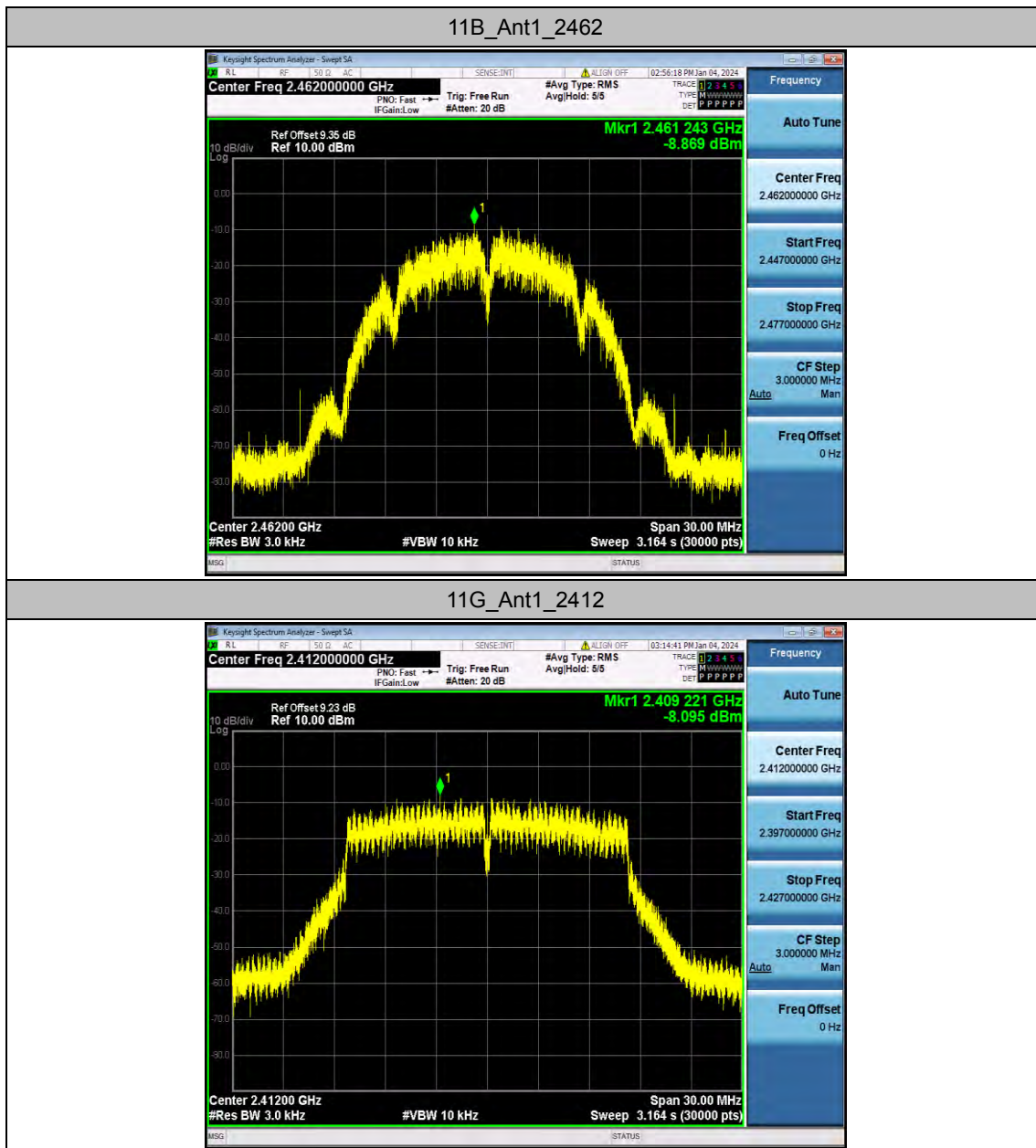
Test Graphs

11B_Ant1_2412

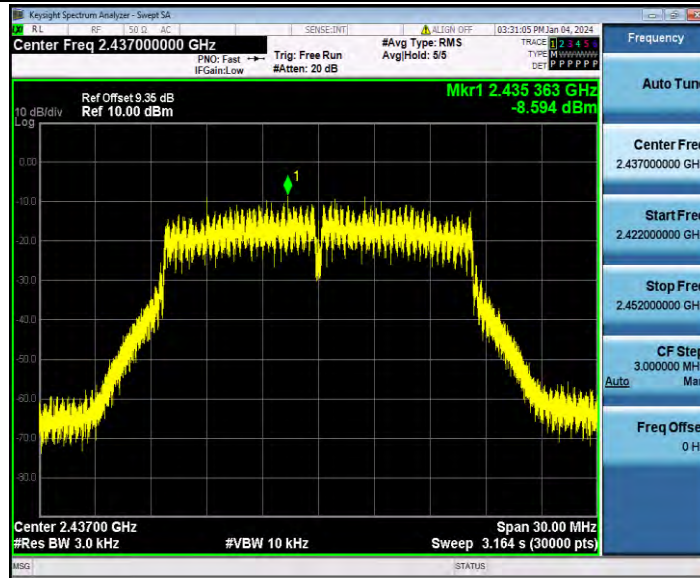


11B_Ant1_2437





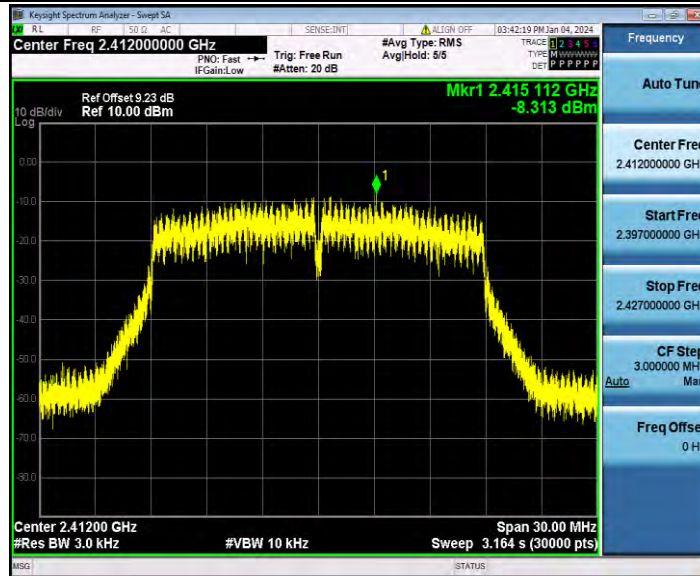
11G_Ant1_2437



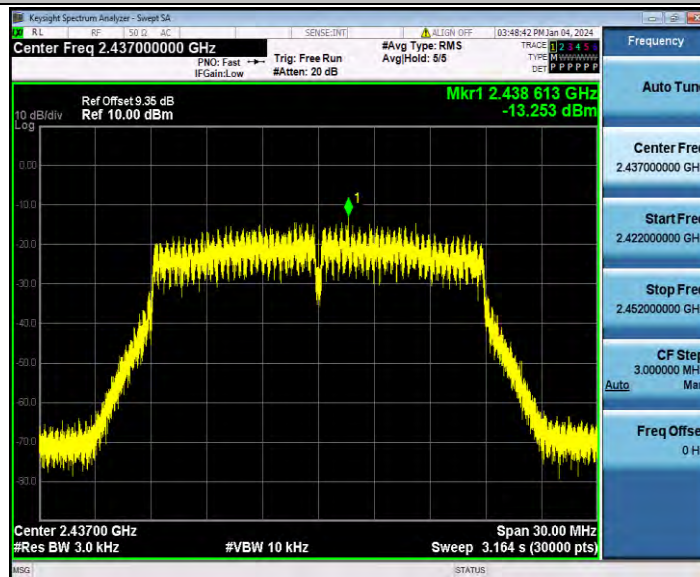
11G_Ant1_2462



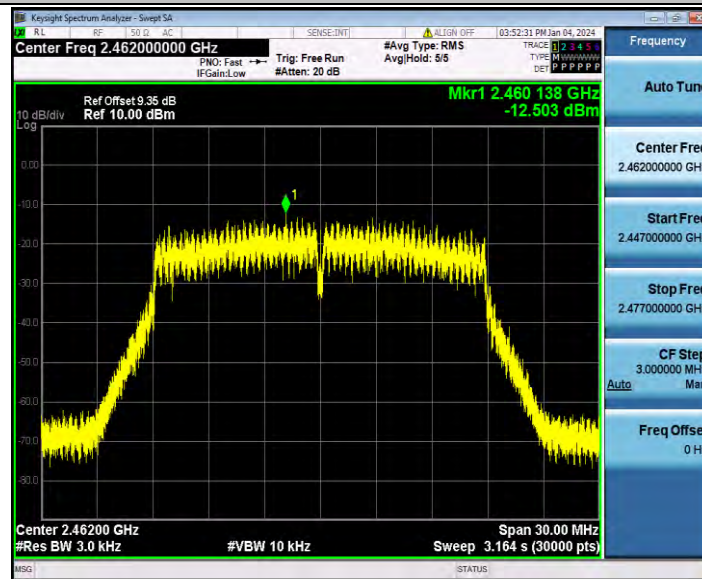
11N20SISO_Ant1_2412



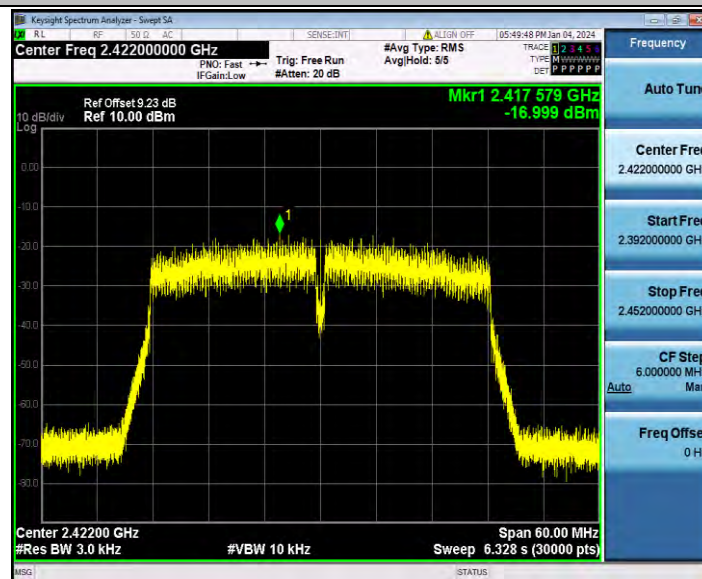
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



11N40SISO_Ant1_2422

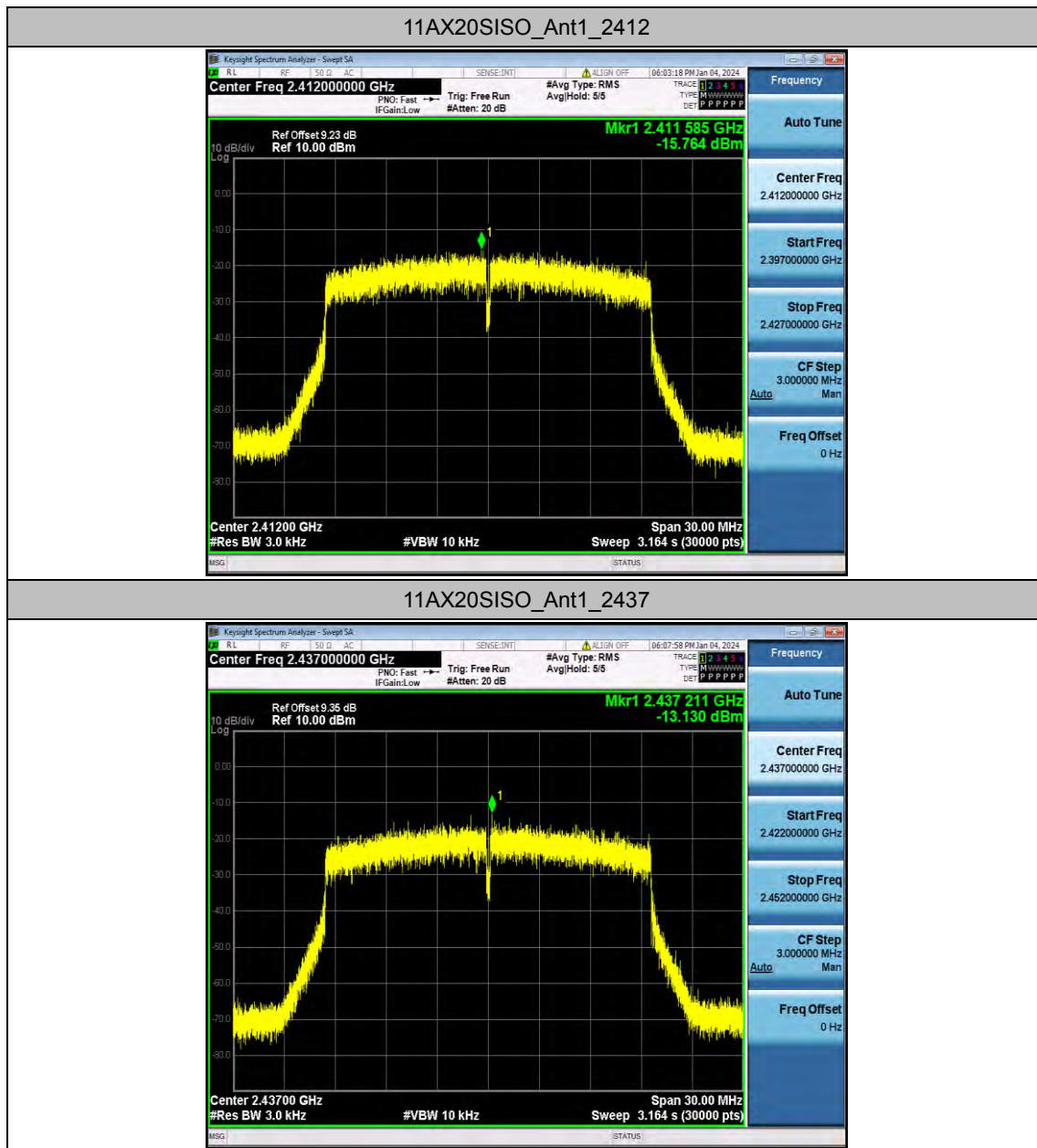


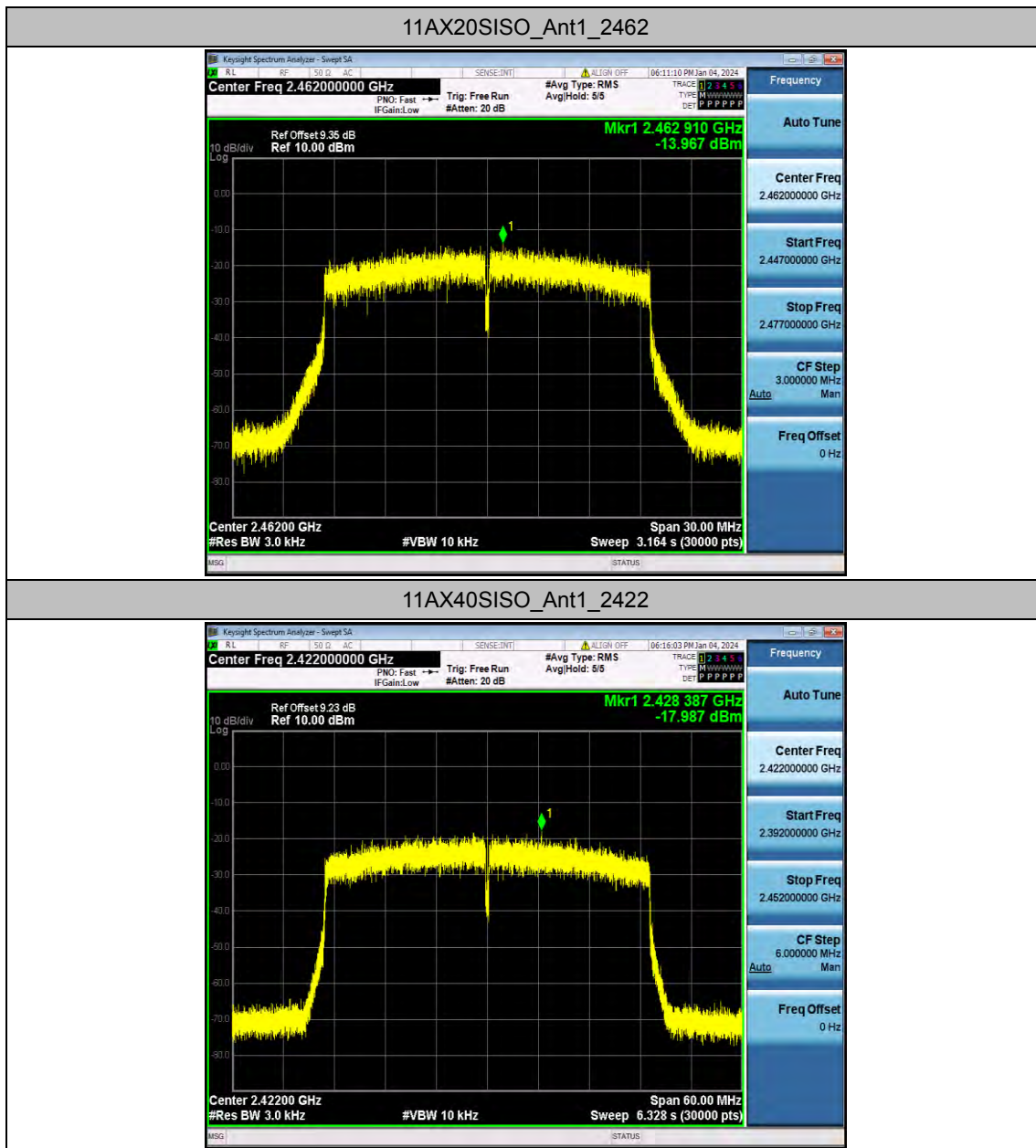
11N40SISO_Ant1_2437

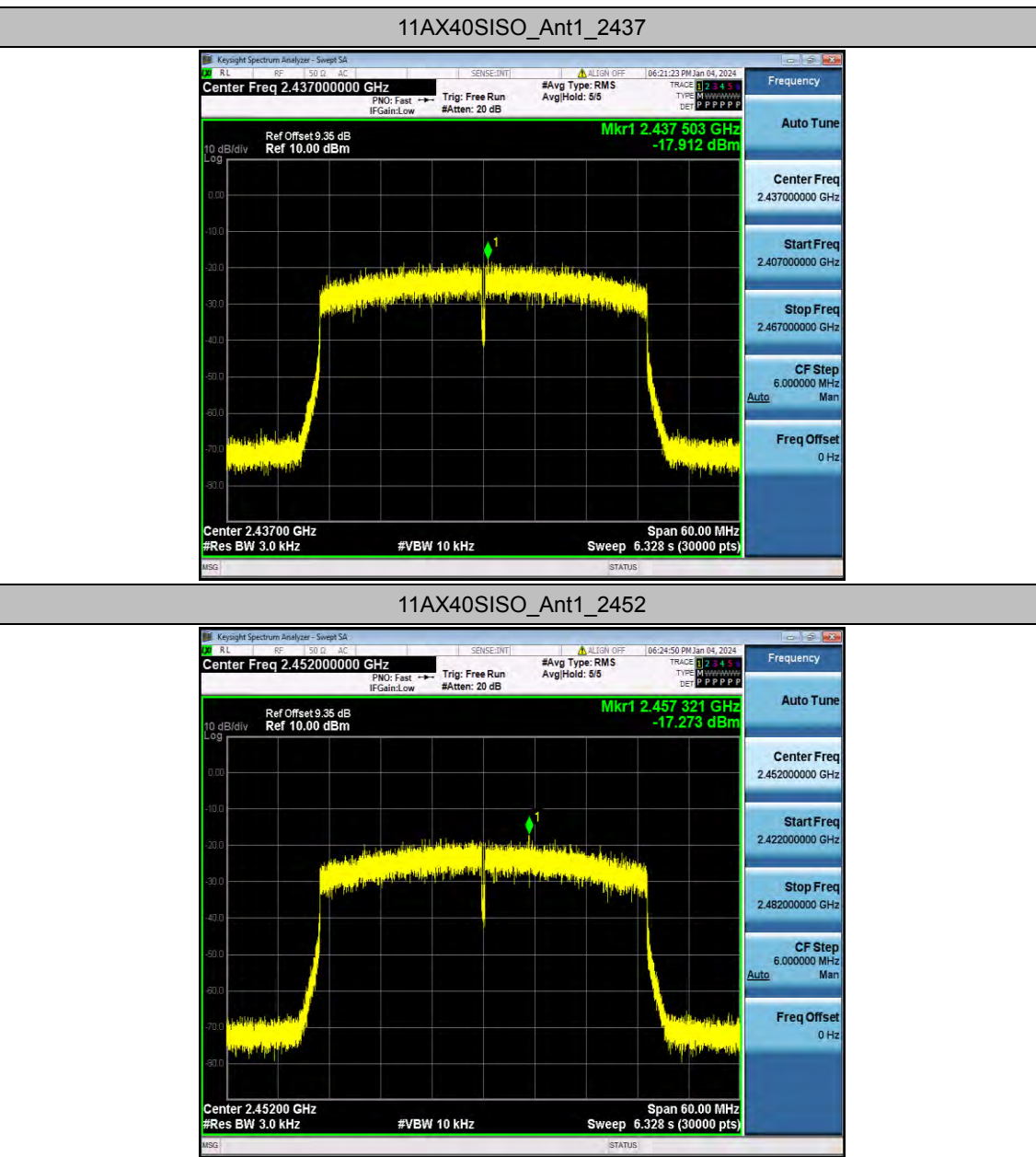


11N40SISO_Ant1_2452







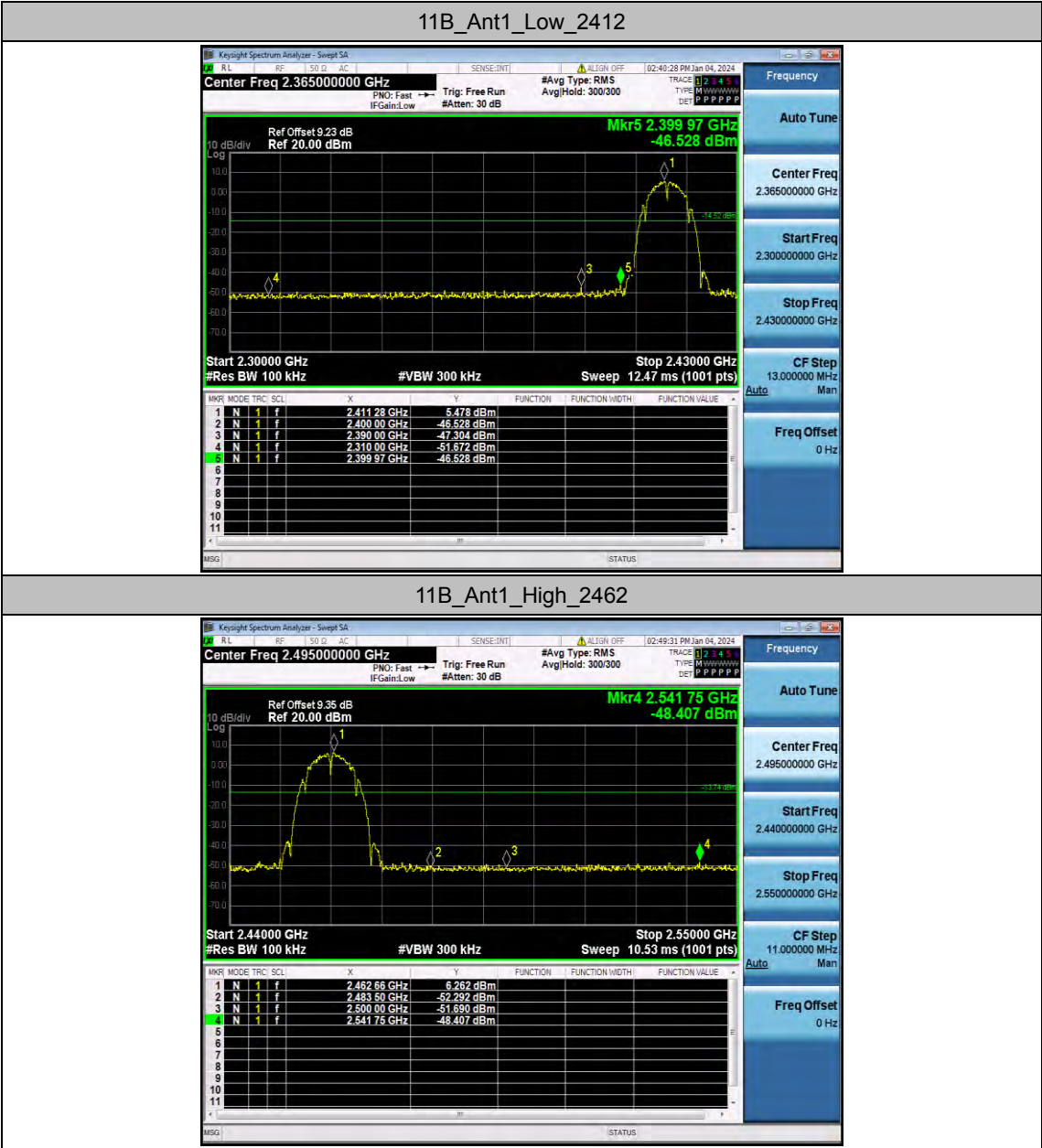


Appendix C.5: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.48	-46.53	≤ -14.52	PASS
		High	2462	6.26	-48.41	≤ -13.74	PASS
11G	Ant1	Low	2412	5.17	-29.49	≤ -14.83	PASS
		High	2462	5.39	-43.23	≤ -14.61	PASS
11N20SISO	Ant1	Low	2412	5.23	-32.57	≤ -14.77	PASS
		High	2462	1.18	-46	≤ -18.82	PASS
11N40SISO	Ant1	Low	2422	-3.07	-42.79	≤ -23.07	PASS
		High	2452	-2.85	-48	≤ -22.85	PASS
11AX20SISO	Ant1	Low	2412	0.12	-38.23	≤ -19.88	PASS
		High	2462	1.13	-45.91	≤ -18.87	PASS
11AX40SISO	Ant1	Low	2422	-3.43	-43.67	≤ -23.43	PASS
		High	2452	-3.32	-48.45	≤ -23.32	PASS

Test Graphs



11B_Ant1_High_2462

Frequency

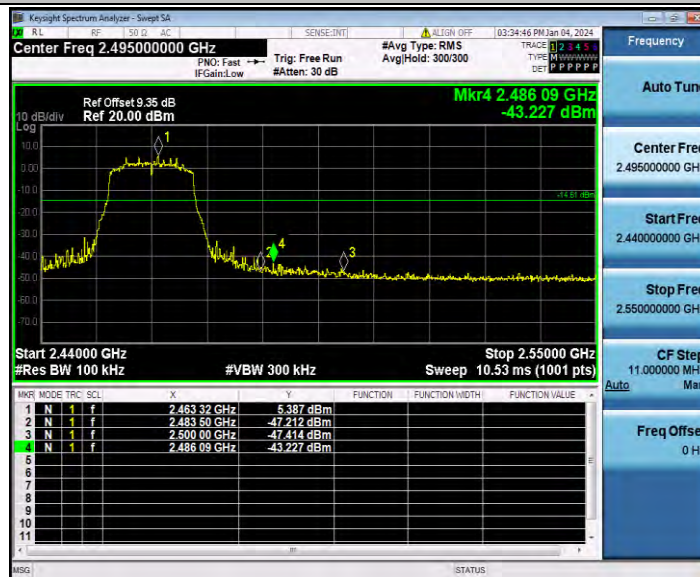
Auto Tune

Center Freq
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2.440000000 GHzStop Freq
2.550000000 GHzCF Step
11.000000 MHz
AutoFreq Offset
0 Hz

11G_Ant1_Low_2412



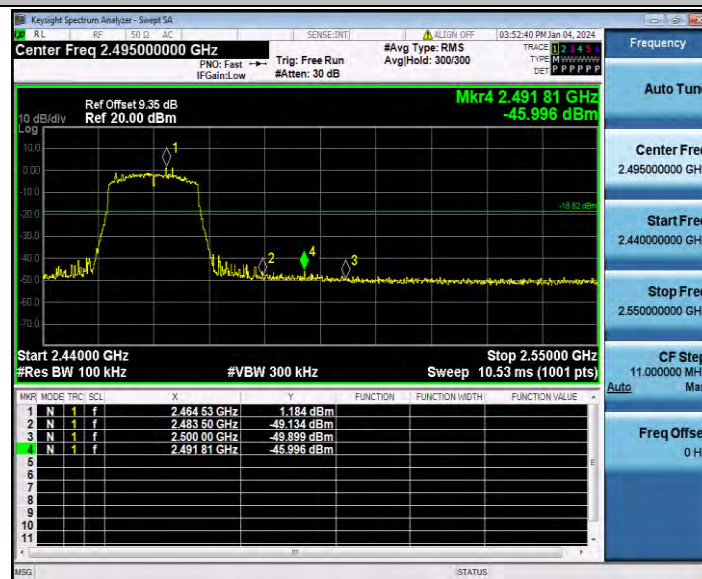
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



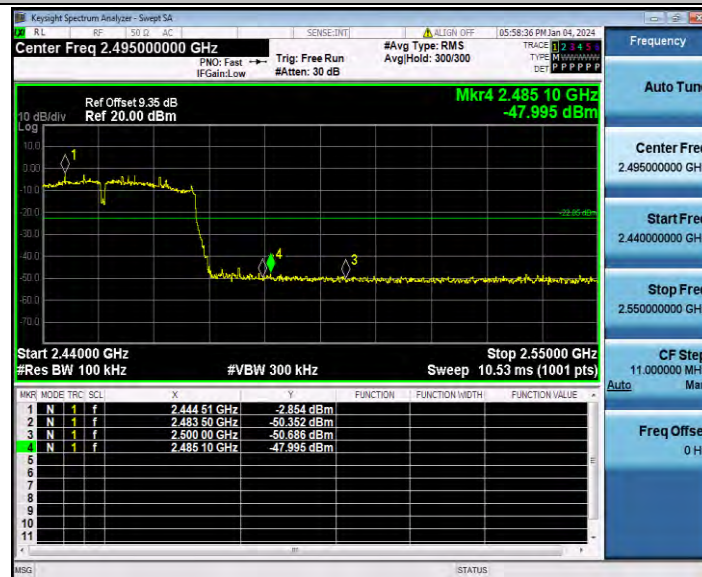
11N20SISO_Ant1_High_2462

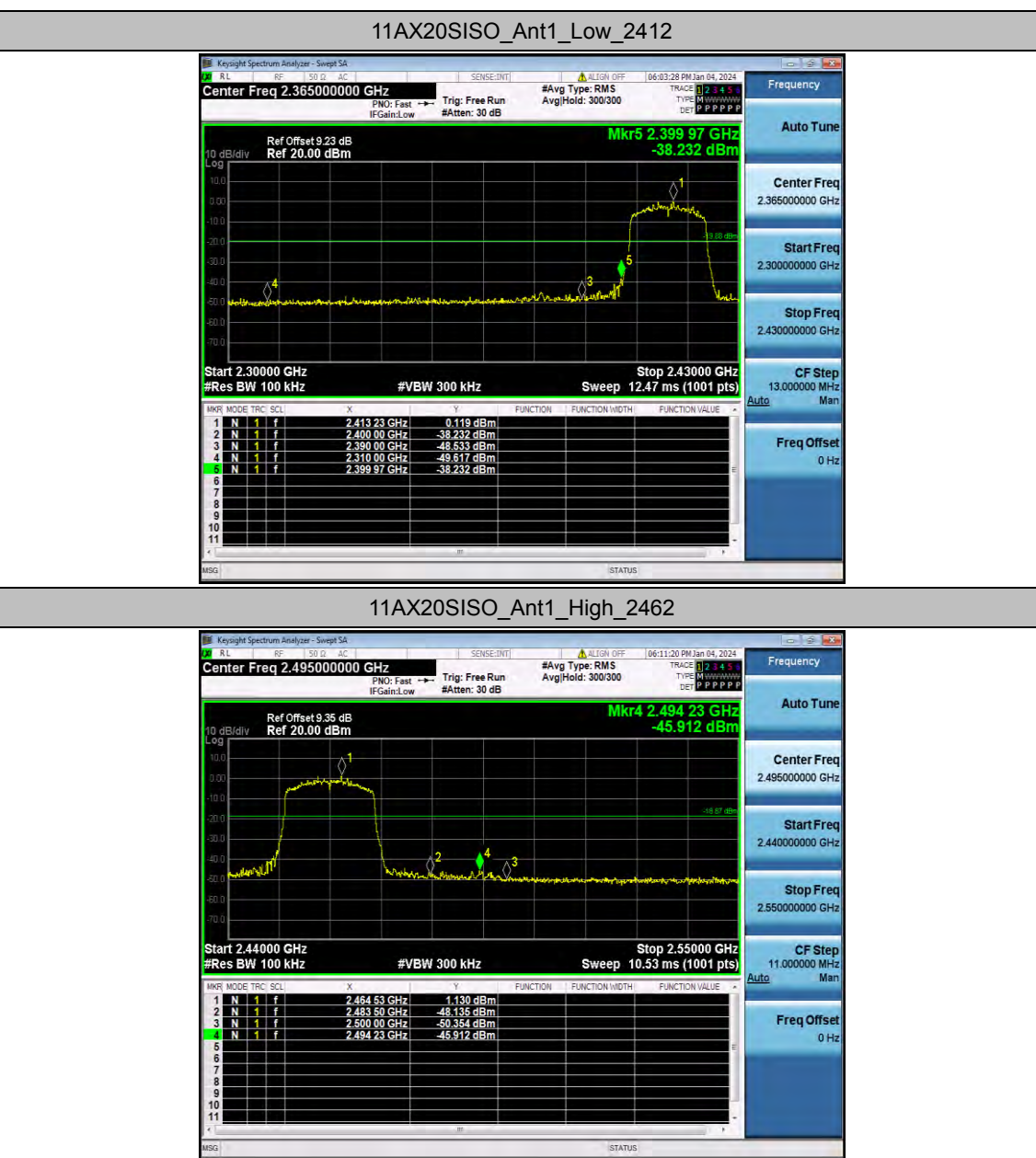


11N40SISO_Ant1_Low_2422

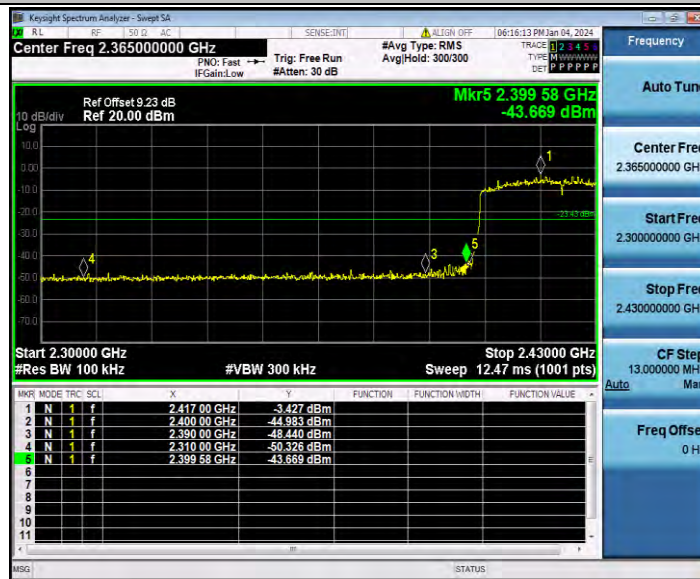


11N40SISO_Ant1_High_2452





11AX40SISO_Ant1_Low_2422



11AX40SISO_Ant1_High_2452

