

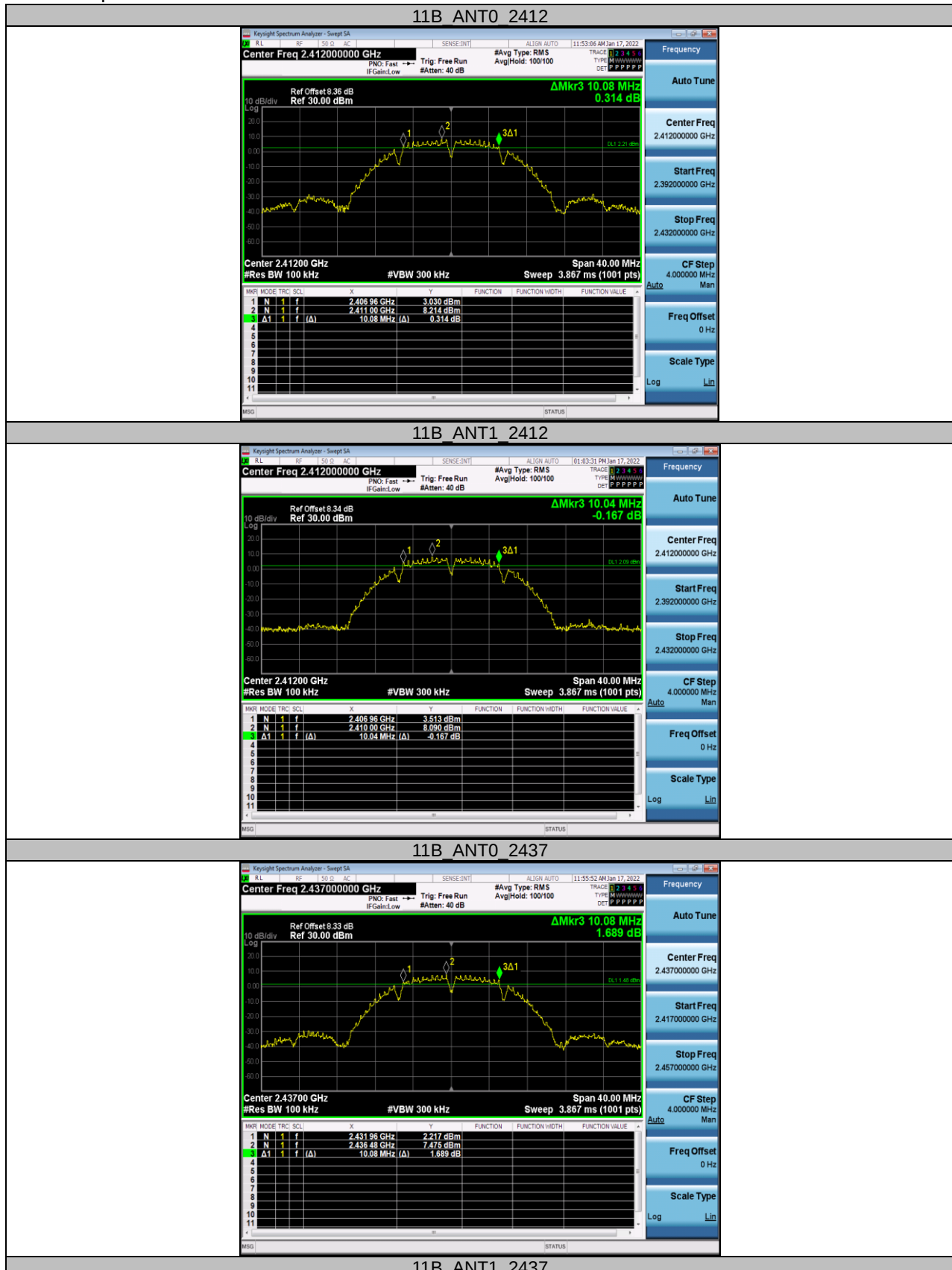
Appendix A

Test Results of Minimum 6dB bandwidth:

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant0	2412	10.080	2406.960	2417.040	≥0.5	PASS
	Ant1	2412	10.040	2406.960	2417.000	≥0.5	PASS
	Ant0	2437	10.080	2431.960	2442.040	≥0.5	PASS
	Ant1	2437	10.080	2431.960	2442.040	≥0.5	PASS
	Ant0	2462	10.080	2456.960	2467.040	≥0.5	PASS
	Ant1	2462	10.080	2456.960	2467.040	≥0.5	PASS
11G	Ant0	2412	14.760	2404.760	2419.520	≥0.5	PASS
	Ant1	2412	15.880	2403.880	2419.760	≥0.5	PASS
	Ant0	2437	15.640	2429.120	2444.760	≥0.5	PASS
	Ant1	2437	14.800	2429.720	2444.520	≥0.5	PASS
	Ant0	2462	15.760	2454.120	2469.880	≥0.5	PASS
	Ant1	2462	15.480	2454.080	2469.560	≥0.5	PASS
11N20MIMO	Ant0	2412	16.440	2404.120	2420.560	≥0.5	PASS
	Ant1	2412	16.920	2403.240	2420.160	≥0.5	PASS
	Ant0	2437	15.120	2429.440	2444.560	≥0.5	PASS
	Ant1	2437	16.920	2428.240	2445.160	≥0.5	PASS
	Ant0	2462	15.040	2454.480	2469.520	≥0.5	PASS
	Ant1	2462	16.560	2453.560	2470.120	≥0.5	PASS
11N40MIMO	Ant0	2422	34.960	2404.480	2439.440	≥0.5	PASS
	Ant1	2422	35.120	2404.400	2439.520	≥0.5	PASS
	Ant0	2437	33.840	2420.680	2454.520	≥0.5	PASS
	Ant1	2437	35.040	2419.480	2454.520	≥0.5	PASS
	Ant0	2452	35.120	2434.480	2469.600	≥0.5	PASS
	Ant1	2452	35.120	2434.480	2469.600	≥0.5	PASS

TEST REPORT

The test plots as follows:





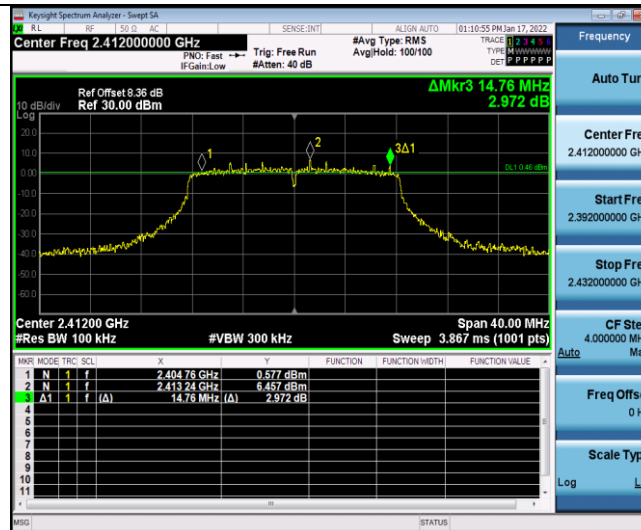
11B ANTO 2462



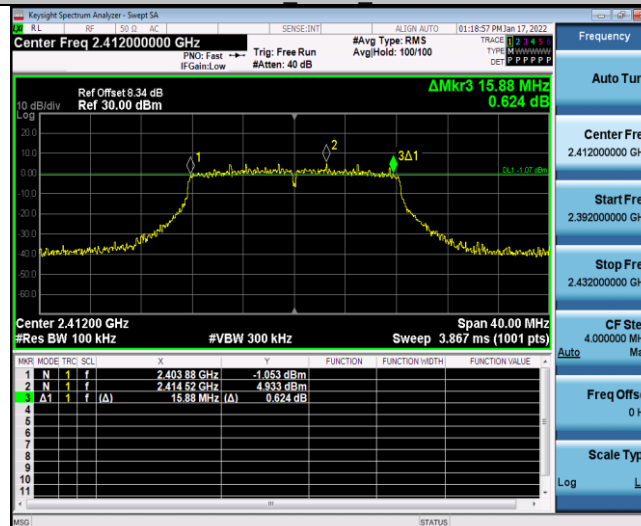
11B ANT1 2462



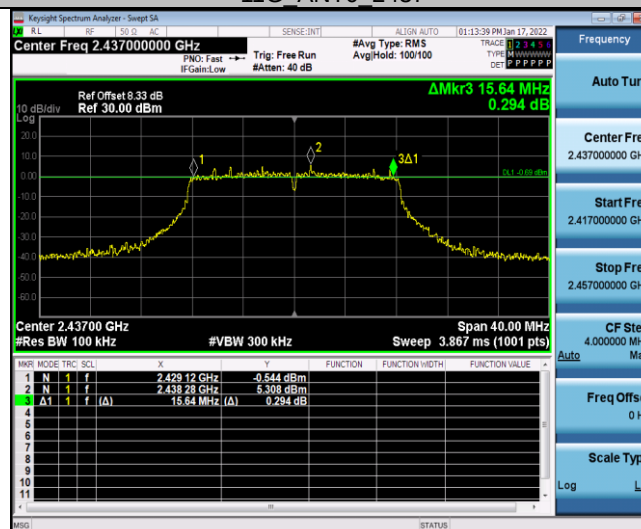
11G ANTO 2412



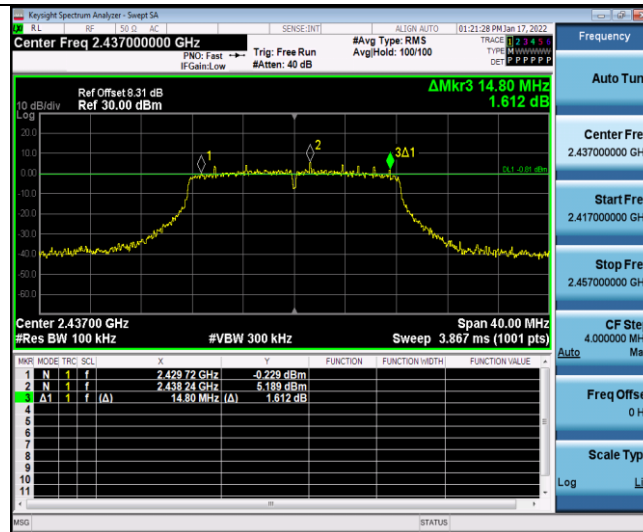
11G ANT1_2412



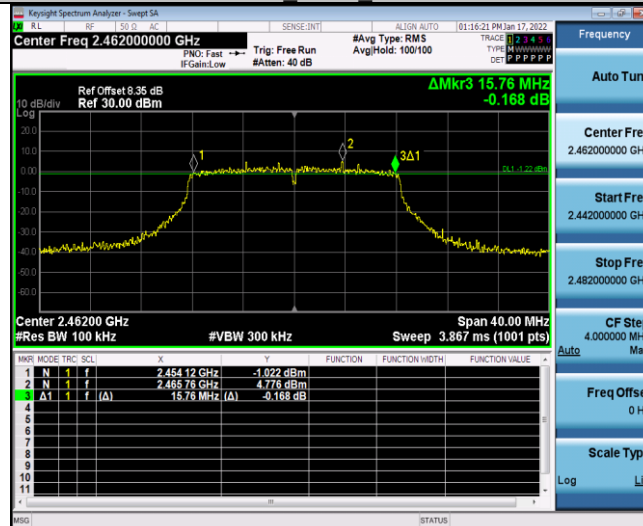
11G ANT0_2437



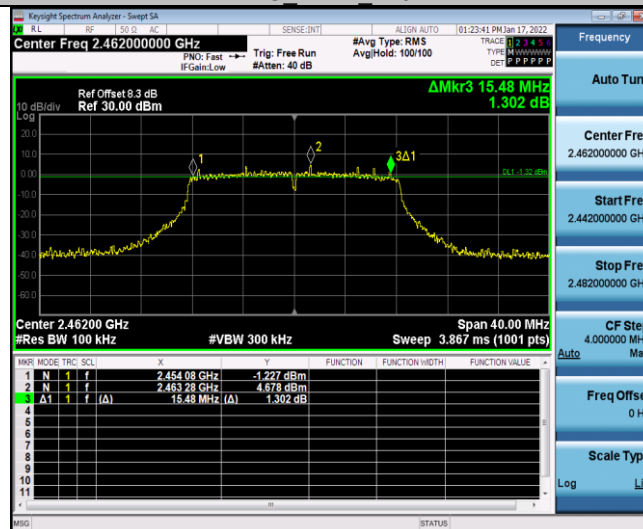
11G ANT1_2437



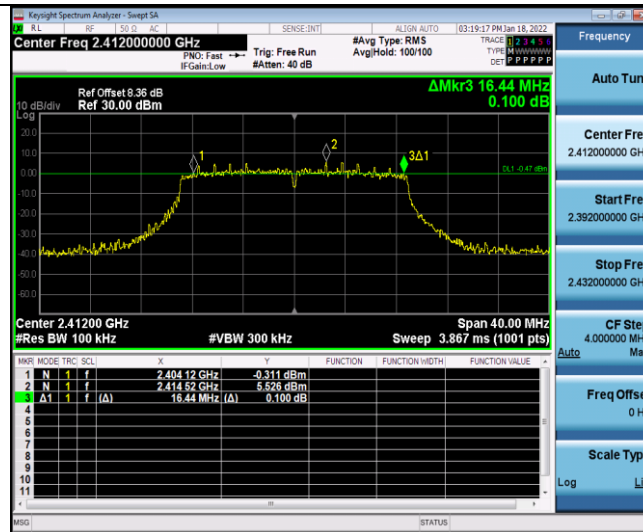
11G ANTO_2462



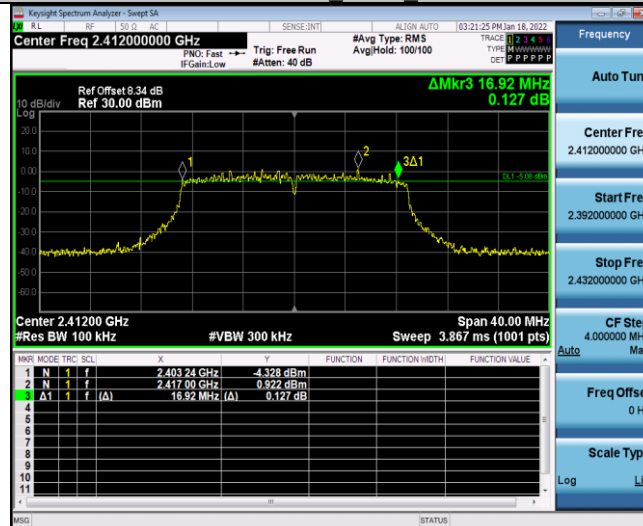
11G ANT1_2462



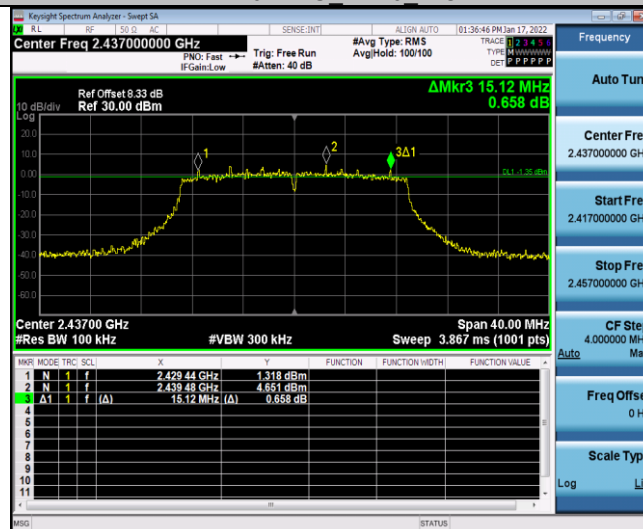
11N20MIMO_ANTO_2412



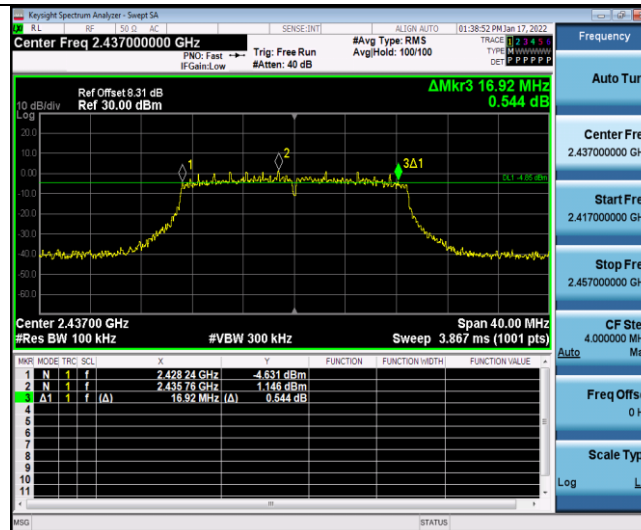
11N20MIMO_ANT1_2412



11N20MIMO_ANT0_2437



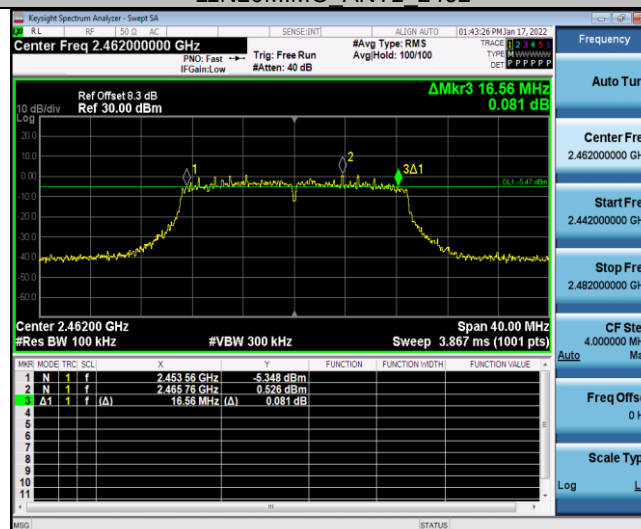
11N20MIMO_ANT1_2437



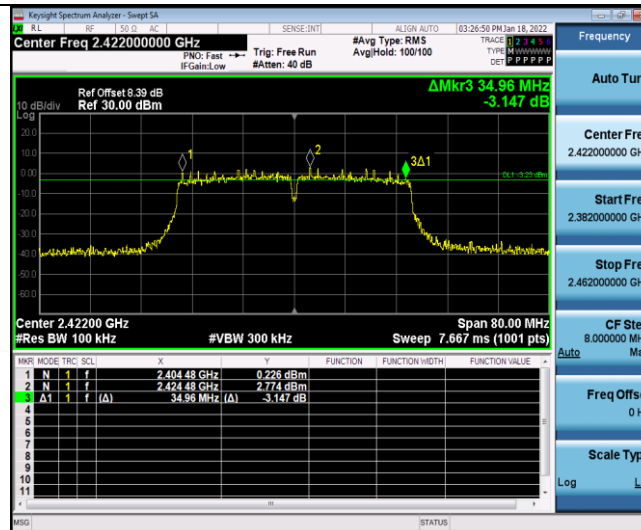
11N20MIMO_ANT0_2462



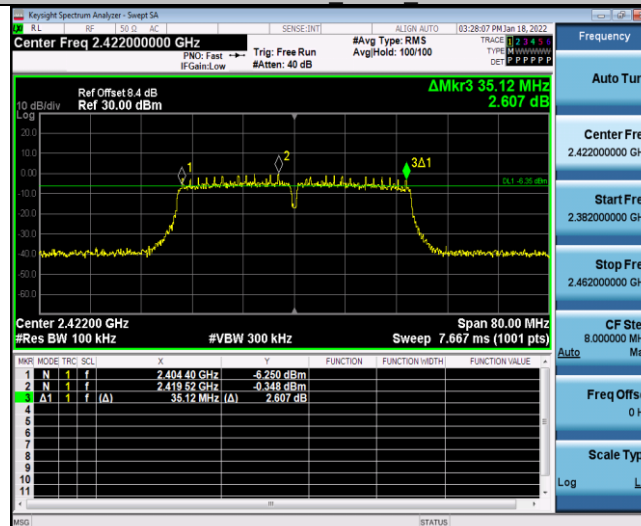
11N20MIMO_ANT1_2462



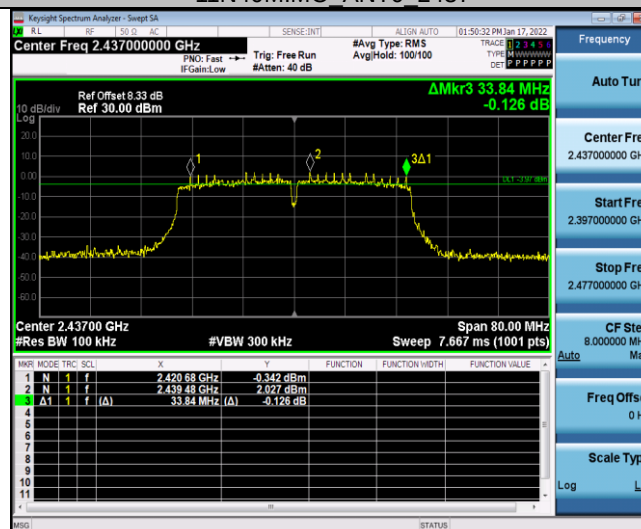
11N40MIMO_ANT0_2422



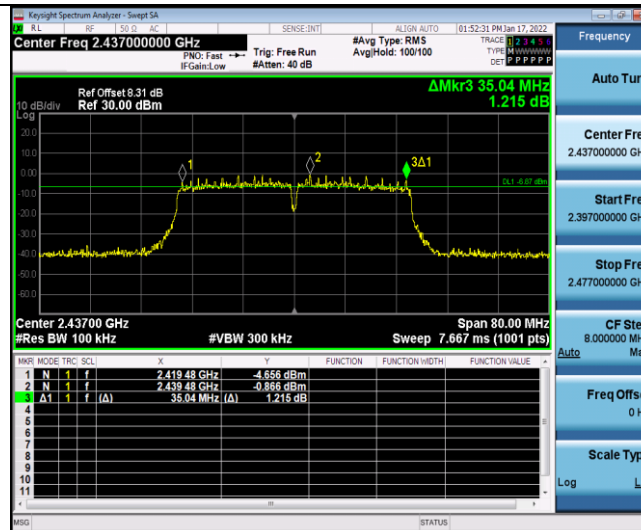
11N40MIMO_ANT1_2422



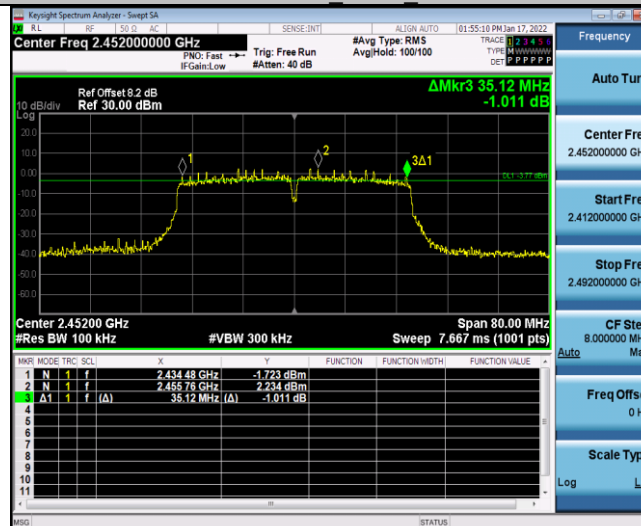
11N40MIMO_ANT0_2437



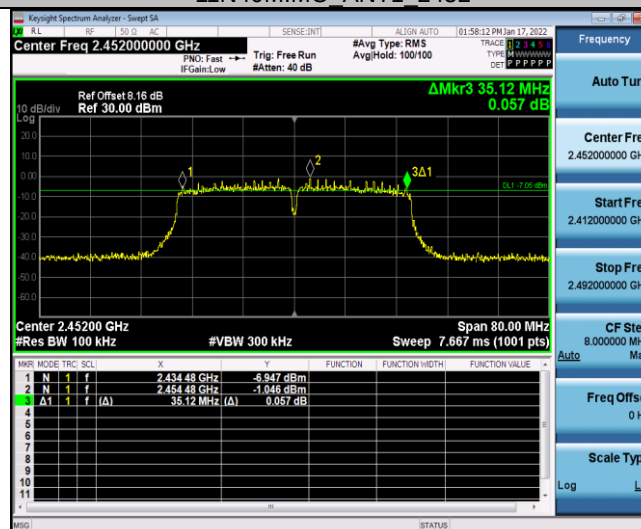
11N40MIMO_ANT1_2437



11N40MIMO_ANT0_2452



11N40MIMO_ANT1_2452



Appendix B

Test Results of Maximum conducted output power

Test Mode	Antenna	Channel (MHZ)	Power [dBm]	Limit [dBm]	Verdict
IEEE 802.11b	ANT0	2412	20.01	29.93	PASS
	ANT1	2412	20.43	30	PASS
	ANT0	2437	19.57	29.93	PASS
	ANT1	2437	20.08	30	PASS
	ANT0	2462	19.80	29.93	PASS
	ANT1	2462	19.54	30	PASS
IEEE 802.11g	ANT0	2412	26.31	29.93	PASS
	ANT1	2412	25.94	30	PASS
	ANT0	2437	26.02	29.93	PASS
	ANT1	2437	25.78	30	PASS
	ANT0	2462	25.71	29.93	PASS
	ANT1	2462	25.52	30	PASS
IEEE 802.11n-HT20	ANT0	2412	25.08	29.93	PASS
	ANT1	2412	23.01	30	PASS
	total	2412	27.18	27.37	PASS
	ANT0	2437	24.61	29.93	PASS
	ANT1	2437	22.73	30	PASS
	total	2437	26.78	27.37	PASS
	ANT0	2462	24.43	29.93	PASS
	ANT1	2462	22.31	30	PASS
	total	2462	26.51	27.37	PASS
IEEE 802.11n-HT40	ANT0	2422	25.17	29.93	PASS
	ANT1	2422	23.04	30	PASS
	total	2422	27.24	27.37	PASS
	ANT0	2437	24.72	29.93	PASS
	ANT1	2437	22.71	30	PASS
	total	2437	26.84	27.37	PASS
	ANT0	2452	24.35	29.93	PASS
	ANT1	2452	22.47	30	PASS
	total	2452	26.52	27.37	PASS

Remark:

1. Total (ant 0+1) = $10 \cdot \log[(10^{\text{ant } 0/10}) + (10^{\text{ANT1}/10})]$

TEST REPORT

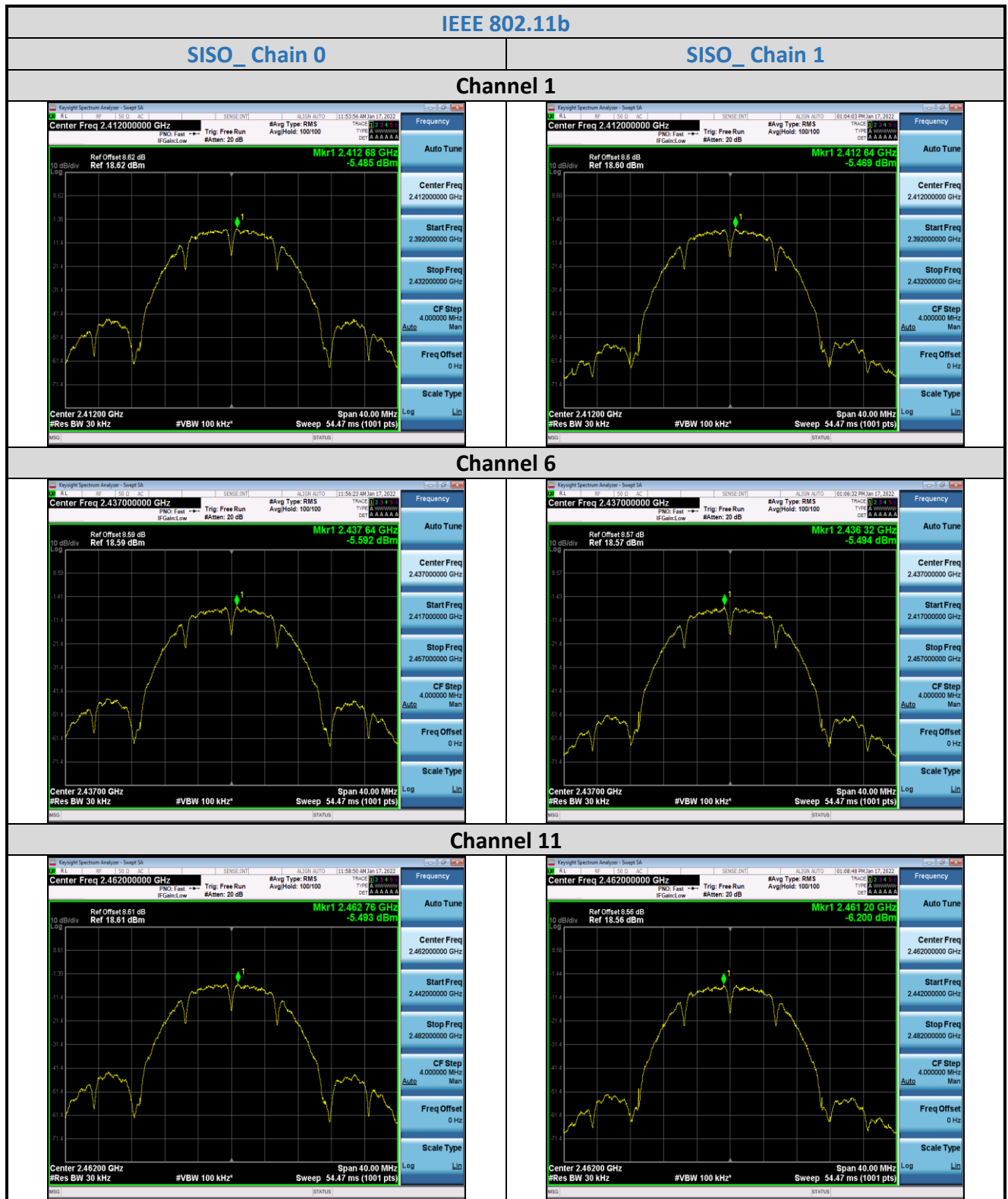
Appendix C

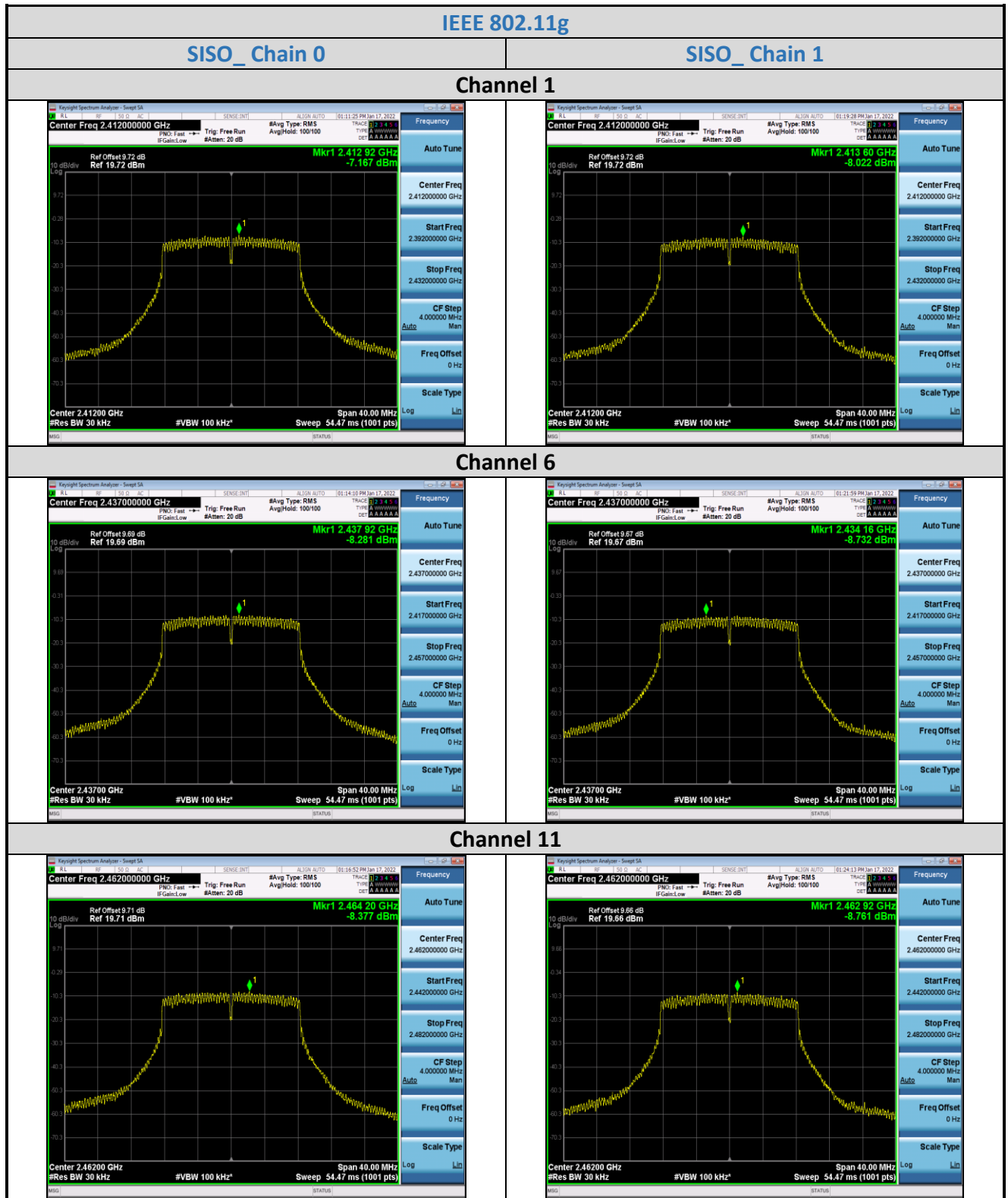
Test Results of Power spectrum density

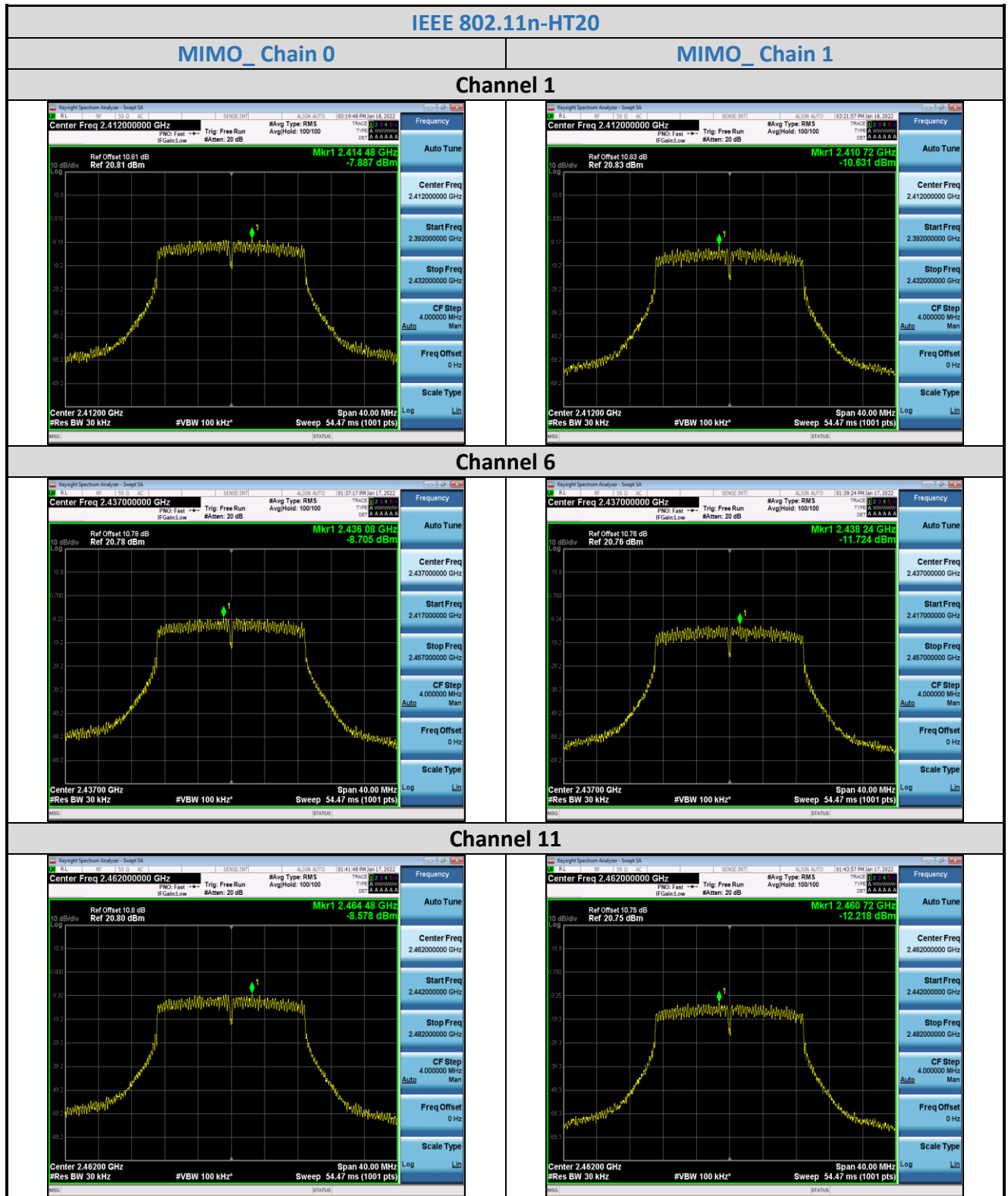
TestMode	Antenna	Channel	Result[dBm /30kHz]	Result[dBm /3kHz]	Limit[dBm /3kHz]	Verdict
IEEE 802.11b	ANT0	2412	-5.49	-15.49	≤7.93	PASS
	ANT1	2412	-5.47	-15.47	≤8	PASS
	ANT0	2437	-5.59	-15.59	≤7.93	PASS
	ANT1	2437	-5.49	-15.49	≤8	PASS
	ANT0	2462	-5.49	-15.49	≤7.93	PASS
	ANT1	2462	-6.20	-16.2	≤8	PASS
IEEE 802.11g	ANT0	2412	-7.17	-17.17	≤7.93	PASS
	ANT1	2412	-8.02	-18.02	≤8	PASS
	ANT0	2437	-8.28	-18.28	≤7.93	PASS
	ANT1	2437	-8.73	-18.73	≤8	PASS
	ANT0	2462	-8.38	-18.38	≤7.93	PASS
	ANT1	2462	-8.76	-18.76	≤8	PASS
IEEE 802.11n-HT20	ANT0	2412	-7.89	-17.89	≤7.93	PASS
	ANT1	2412	-10.63	-20.63	≤8	PASS
	total	2412	-6.04	-16.04	≤5.37	PASS
	ANT0	2437	-8.71	-18.71	≤7.93	PASS
	ANT1	2437	-11.72	-21.72	≤8	PASS
	total	2437	-6.95	-16.95	≤5.37	PASS
	ANT0	2462	-8.58	-18.58	≤7.93	PASS
	ANT1	2462	-12.22	-22.22	≤8	PASS
	total	2462	-7.02	-17.02	≤5.37	PASS
IEEE 802.11n-HT40	ANT0	2422	-10.25	-20.25	≤7.93	PASS
	ANT1	2422	-14.19	-24.19	≤8	PASS
	total	2422	-8.78	-18.78	≤5.37	PASS
	ANT0	2437	-10.35	-20.35	≤7.93	PASS
	ANT1	2437	-13.85	-23.85	≤8	PASS
	total	2437	-8.75	-18.75	≤5.37	PASS
	ANT0	2452	-10.69	-20.69	≤7.93	PASS
	ANT1	2452	-14.4	-24.4	≤8	PASS
	total	2452	-9.15	-19.15	≤5.37	PASS

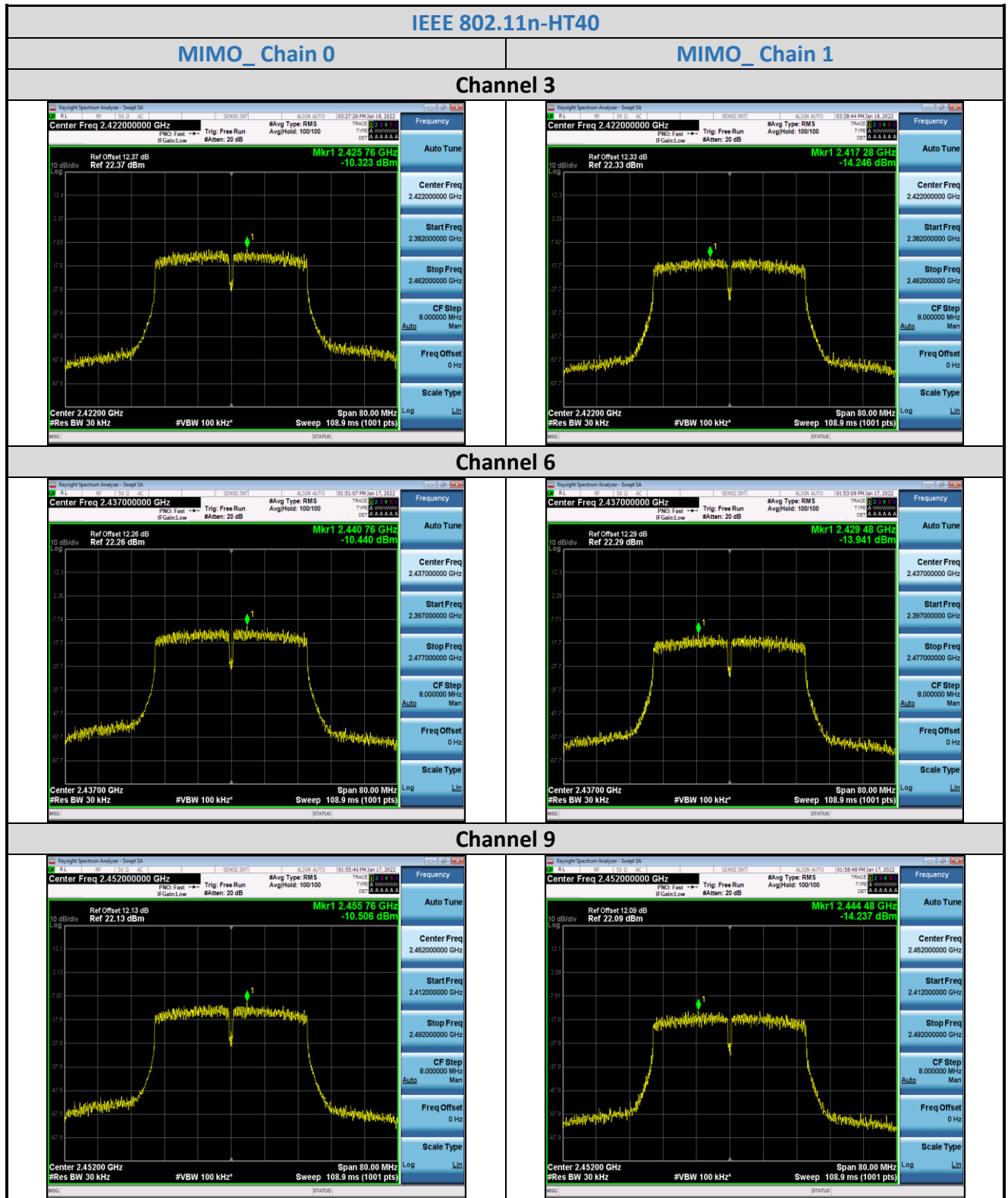
Remark:

1. Total (ant 0+1) = $10 \cdot \log[(10^{\text{ANT0}/10}) + (10^{\text{ANT1}/10})]$
2. Result[dBm/3kHz]= Result[dBm/30kHz]- $10 \cdot \log_{10}(30/3)$









Appendix D

SISO_Chain 0_ IEEE 802.11b

In-Band Reference Level 2412MHz Ant0



Out of Band Emission 2412MHz Ant0

