

Appendix for WiFi 2.4GHz

Product Name: Combo Module

Model No: FG6223ASRC

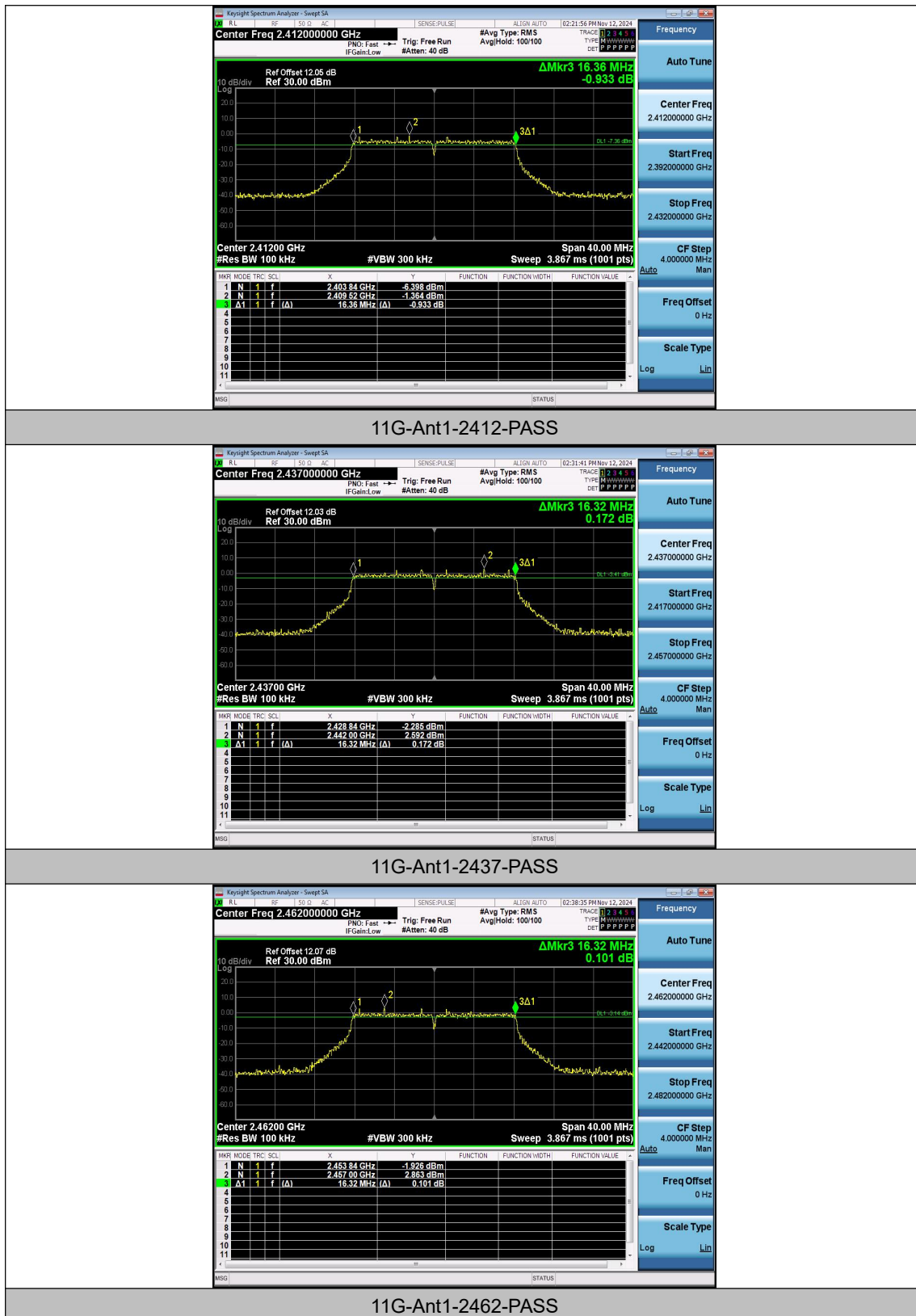
Appendix A: DTS Bandwidth

Test Result

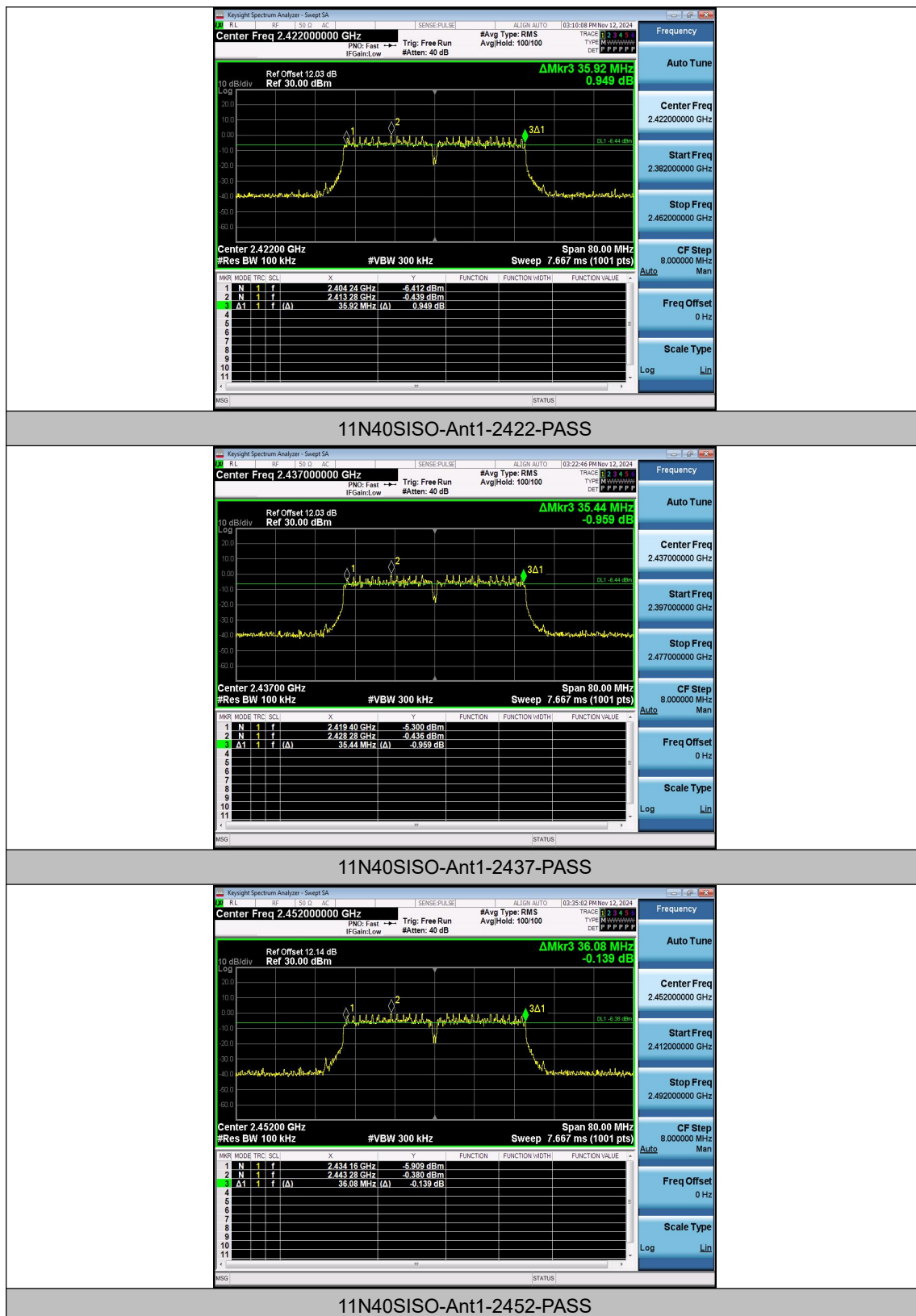
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.560	2407.480	2416.040	0.5	PASS
11B	Ant1	2437	8.000	2432.960	2440.960	0.5	PASS
11B	Ant1	2462	8.080	2458.440	2466.520	0.5	PASS
11G	Ant1	2412	16.360	2403.840	2420.200	0.5	PASS
11G	Ant1	2437	16.320	2428.840	2445.160	0.5	PASS
11G	Ant1	2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.520	2403.240	2420.760	0.5	PASS
11N20SISO	Ant1	2437	17.520	2428.240	2445.760	0.5	PASS
11N20SISO	Ant1	2462	17.560	2453.200	2470.760	0.5	PASS
11N40SISO	Ant1	2422	35.920	2404.240	2440.160	0.5	PASS
11N40SISO	Ant1	2437	35.440	2419.400	2454.840	0.5	PASS
11N40SISO	Ant1	2452	36.080	2434.160	2470.240	0.5	PASS

Test Graphs







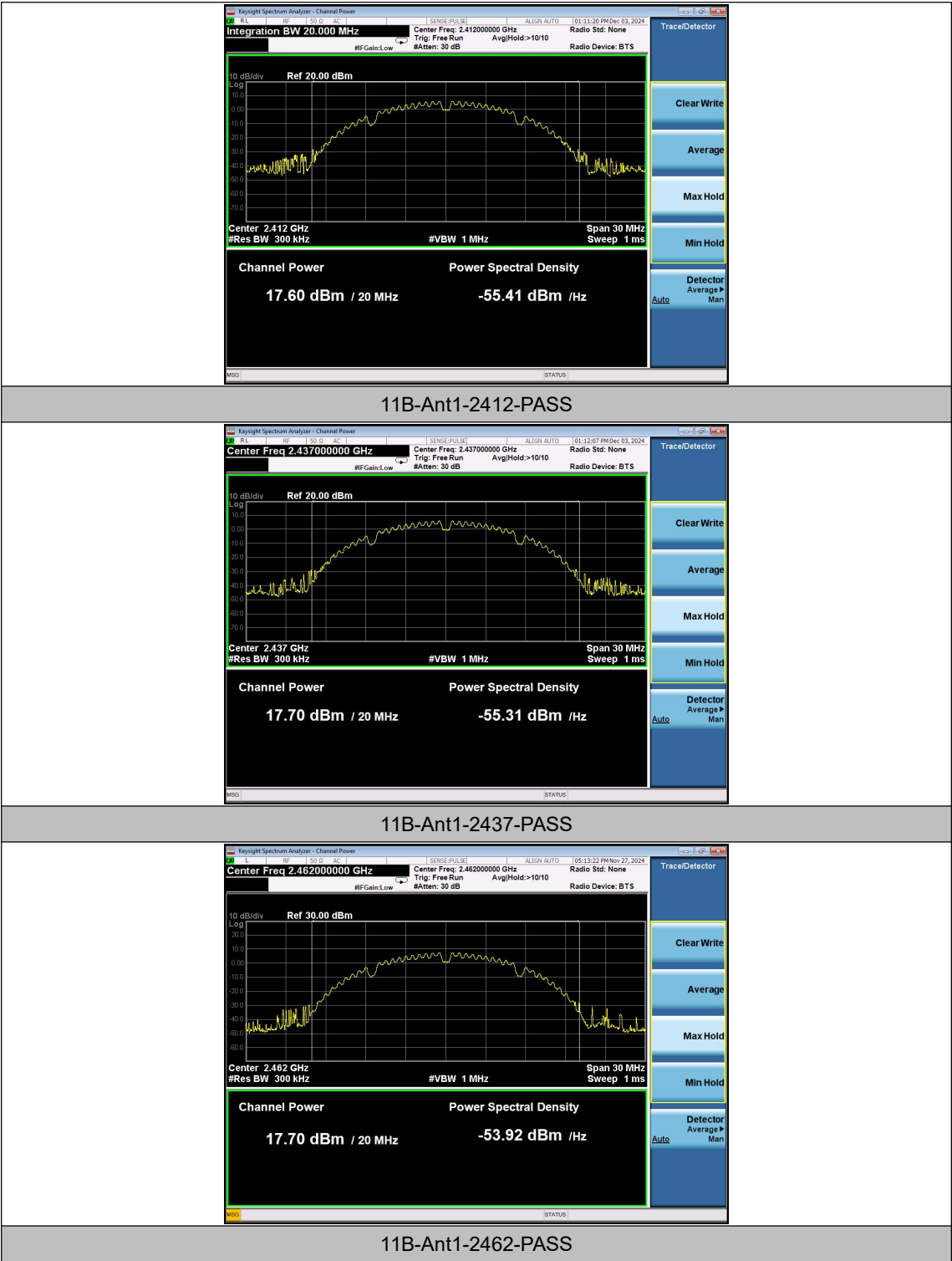


Appendix B: Maximum conducted output power

Test Result

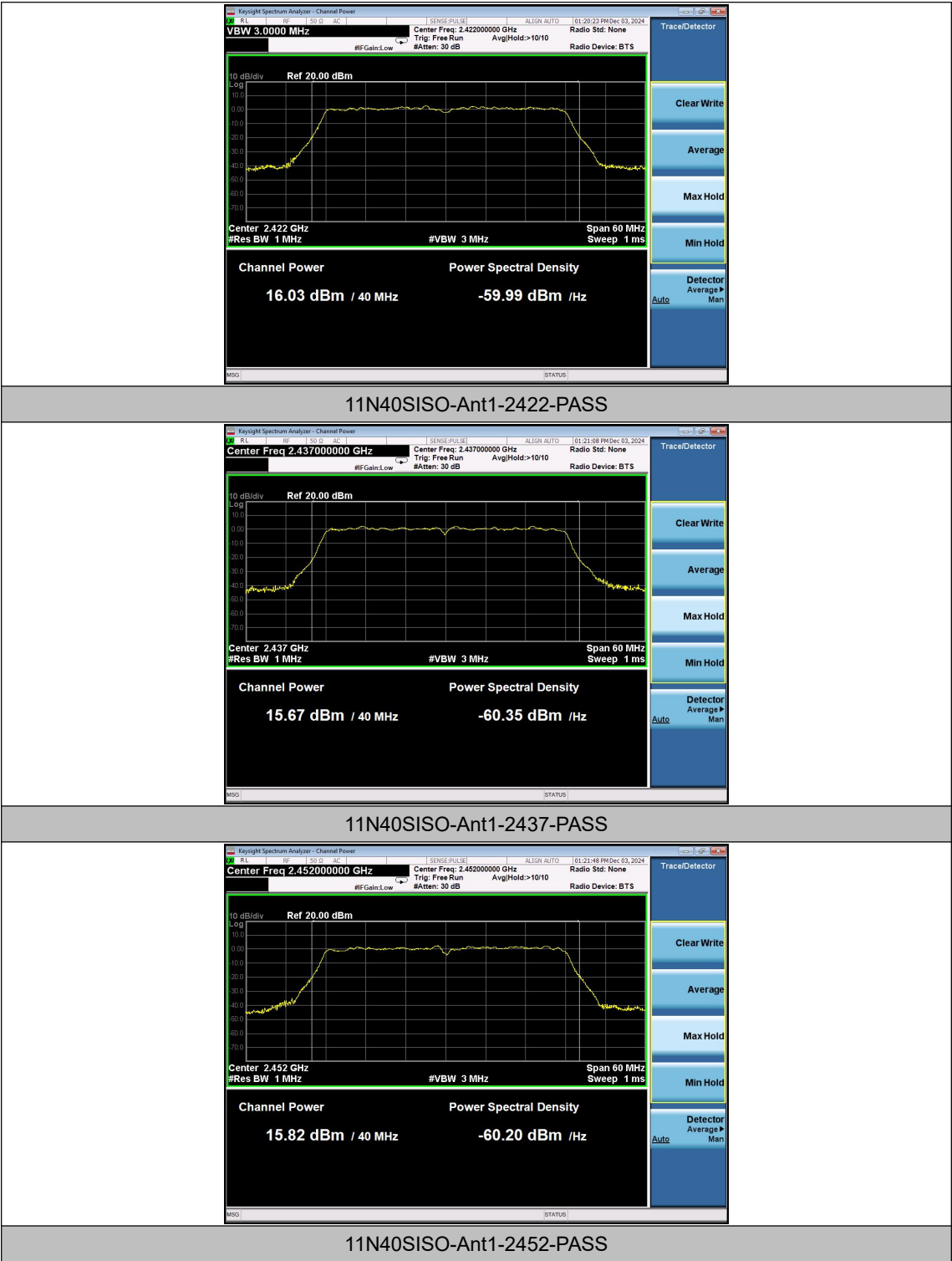
TestMode	Antenna	Frequency[MHz]	Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	17.60	≤30.00	PASS
11B	Ant1	2437	17.70	≤30.00	PASS
11B	Ant1	2462	17.70	≤30.00	PASS
11G	Ant1	2412	16.23	≤30.00	PASS
11G	Ant1	2437	16.47	≤30.00	PASS
11G	Ant1	2462	16.21	≤30.00	PASS
11N20SISO	Ant1	2412	15.91	≤30.00	PASS
11N20SISO	Ant1	2437	16.14	≤30.00	PASS
11N20SISO	Ant1	2462	16.03	≤30.00	PASS
11N40SISO	Ant1	2422	16.03	≤30.00	PASS
11N40SISO	Ant1	2437	15.67	≤30.00	PASS
11N40SISO	Ant1	2452	15.82	≤30.00	PASS

Test Graphs







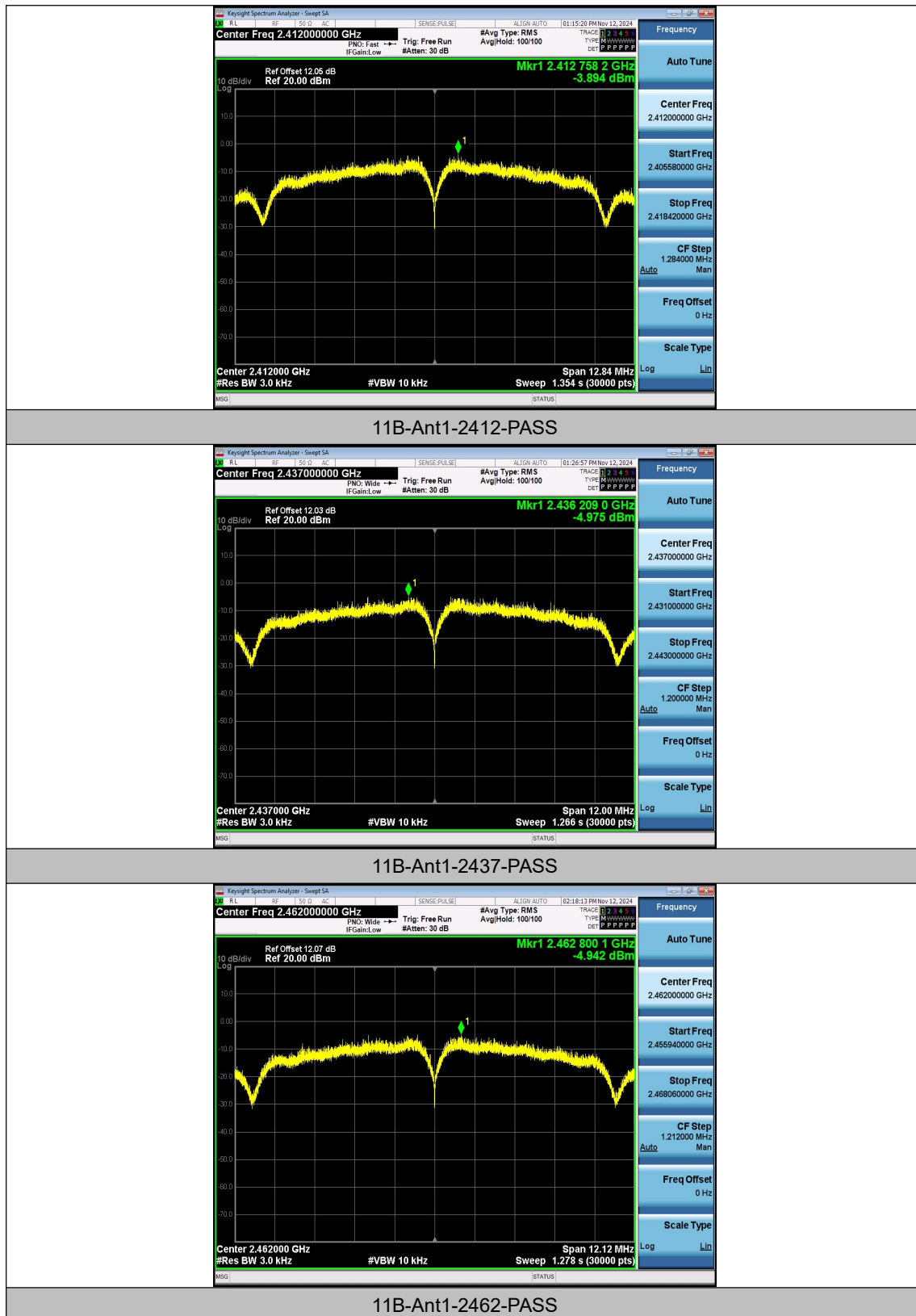


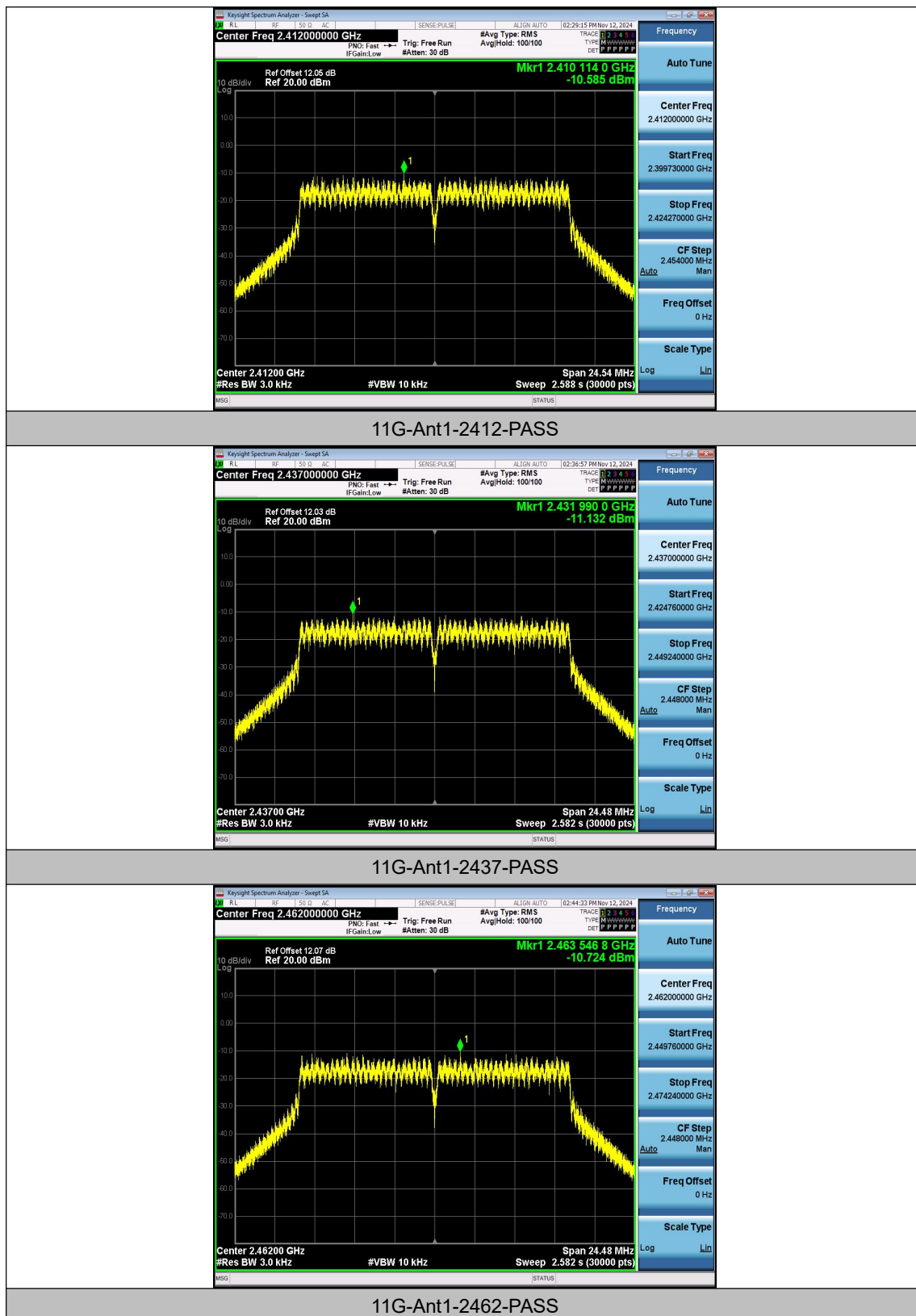
Appendix C: Maximum power spectral density

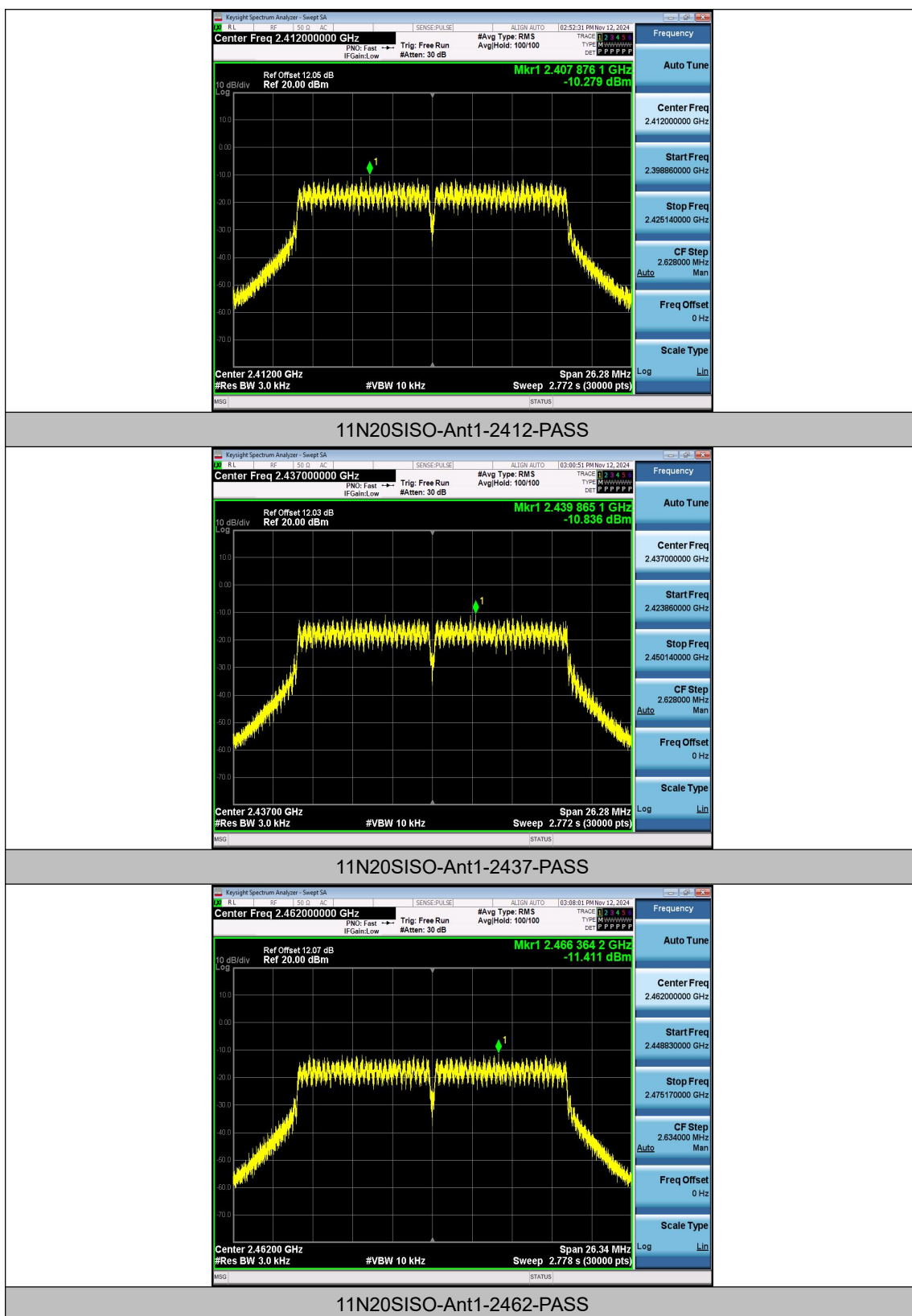
Test Result

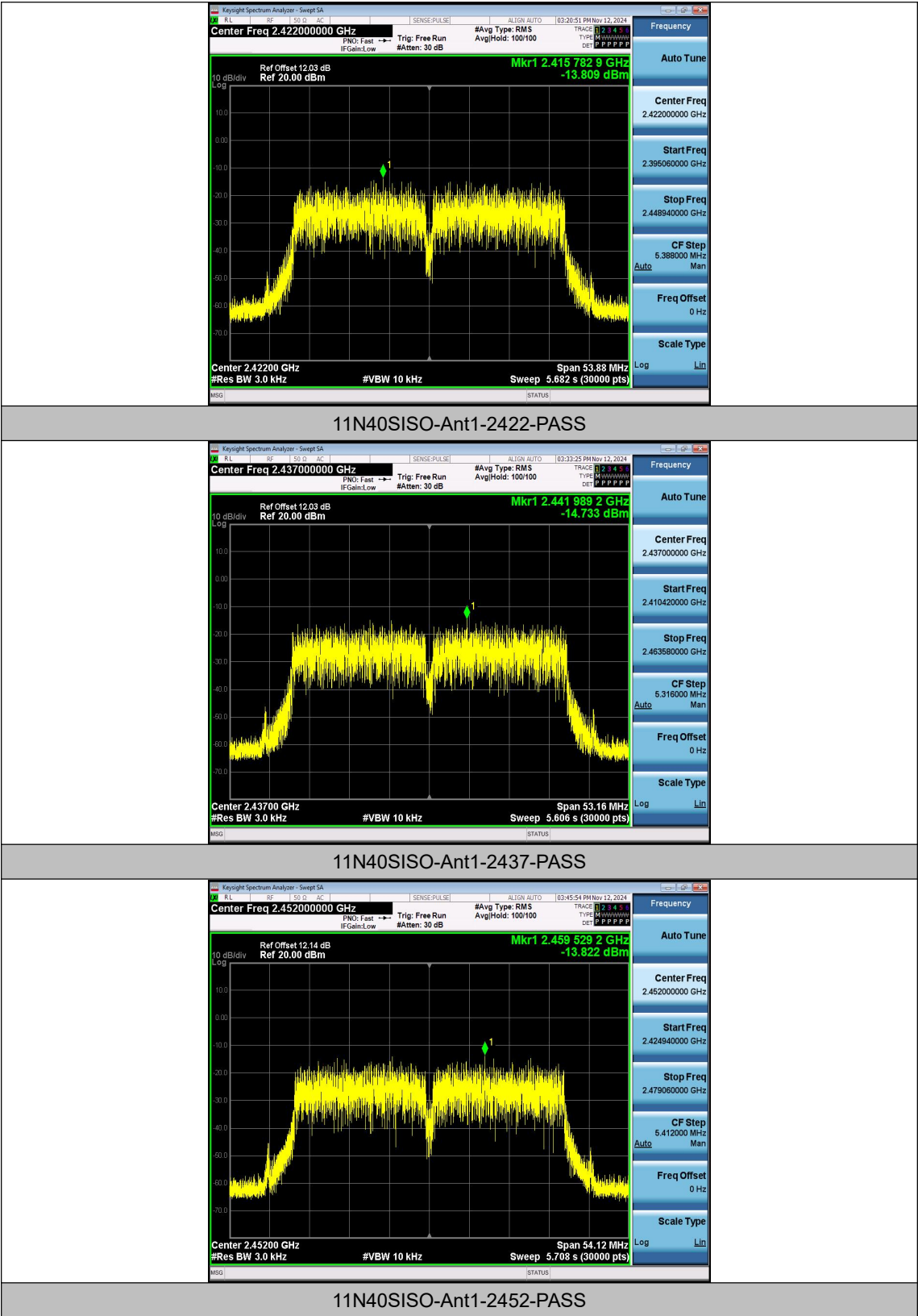
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-3.89	≤8.00	PASS
11B	Ant1	2437	-4.98	≤8.00	PASS
11B	Ant1	2462	-4.94	≤8.00	PASS
11G	Ant1	2412	-10.59	≤8.00	PASS
11G	Ant1	2437	-11.13	≤8.00	PASS
11G	Ant1	2462	-10.72	≤8.00	PASS
11N20SISO	Ant1	2412	-10.28	≤8.00	PASS
11N20SISO	Ant1	2437	-10.84	≤8.00	PASS
11N20SISO	Ant1	2462	-11.41	≤8.00	PASS
11N40SISO	Ant1	2422	-13.81	≤8.00	PASS
11N40SISO	Ant1	2437	-14.73	≤8.00	PASS
11N40SISO	Ant1	2452	-13.82	≤8.00	PASS

Test Graphs







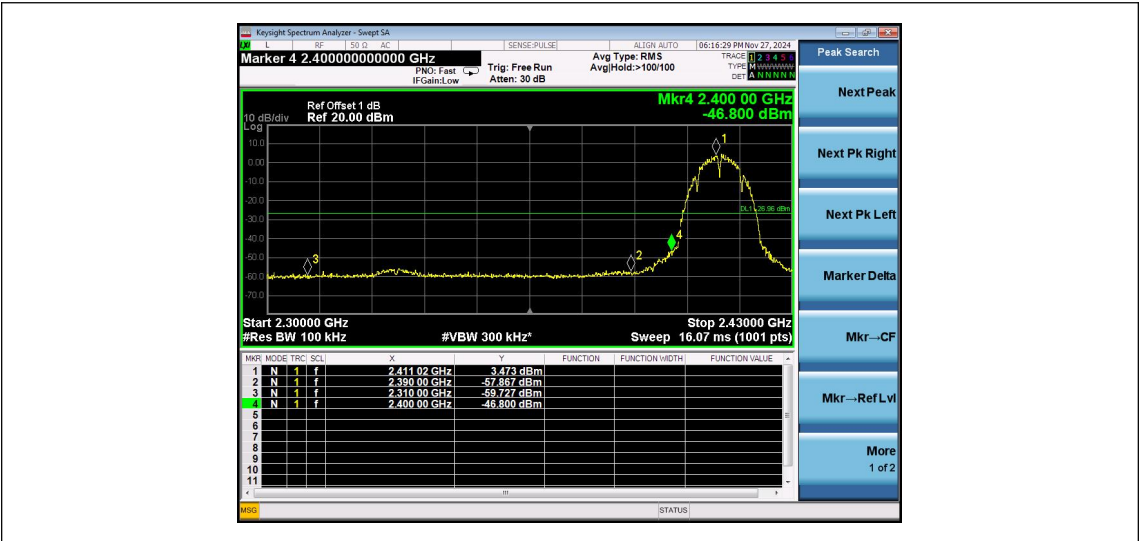


Appendix D: Band edge measurements

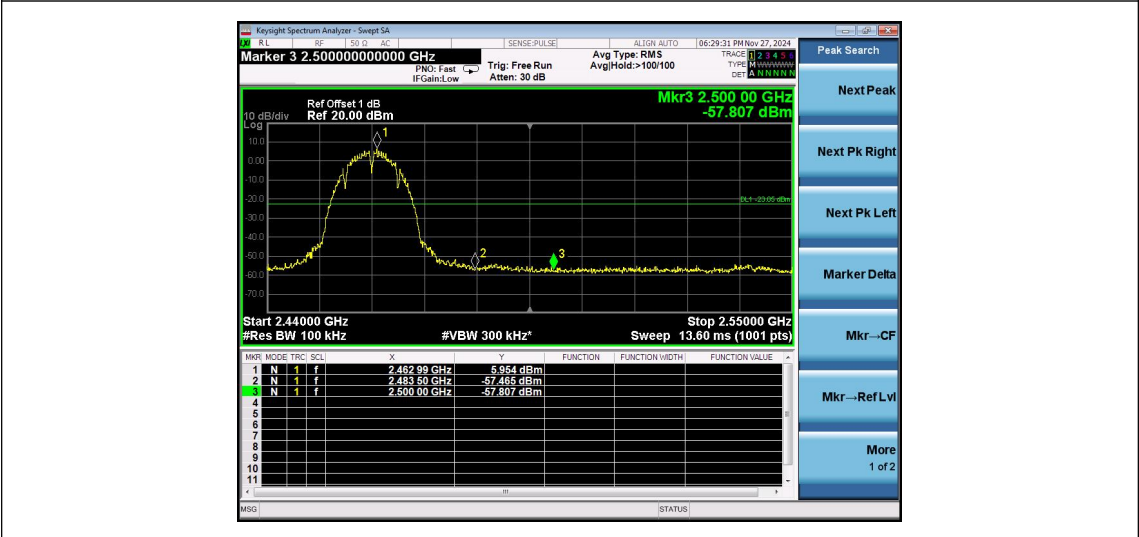
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	Verdict
11B	Ant1	Low	2412	PASS
11B	Ant1	High	2462	PASS
11G	Ant1	Low	2412	PASS
11G	Ant1	High	2462	PASS
11N20SISO	Ant1	Low	2412	PASS
11N20SISO	Ant1	High	2462	PASS
11N40SISO	Ant1	Low	2422	PASS
11N40SISO	Ant1	High	2452	PASS

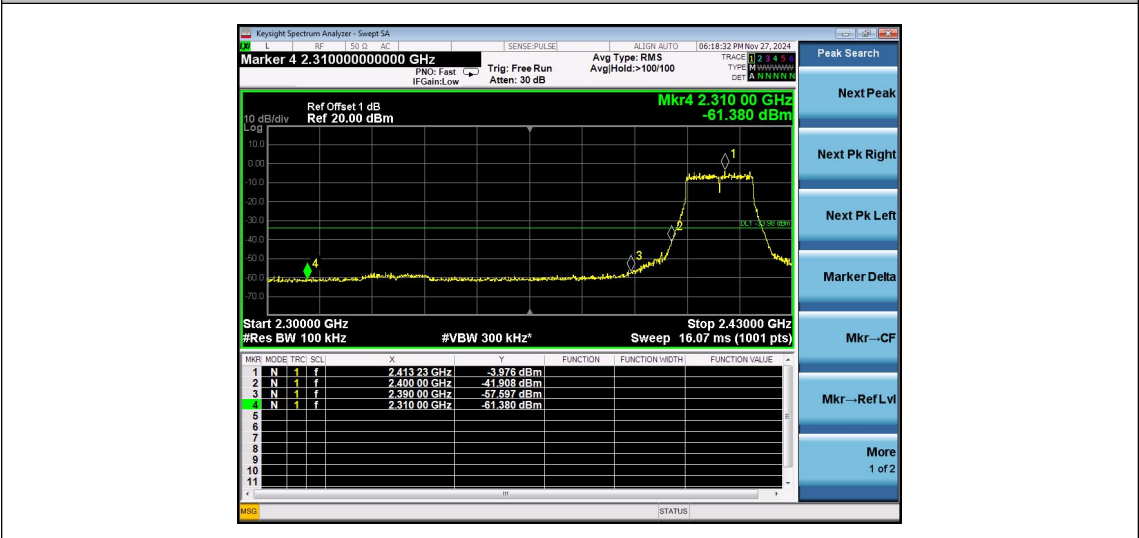
Test Graphs



11B-Ant1-2412-PASS



11B-Ant1-2462-PASS



11G-Ant1-2412-PASS