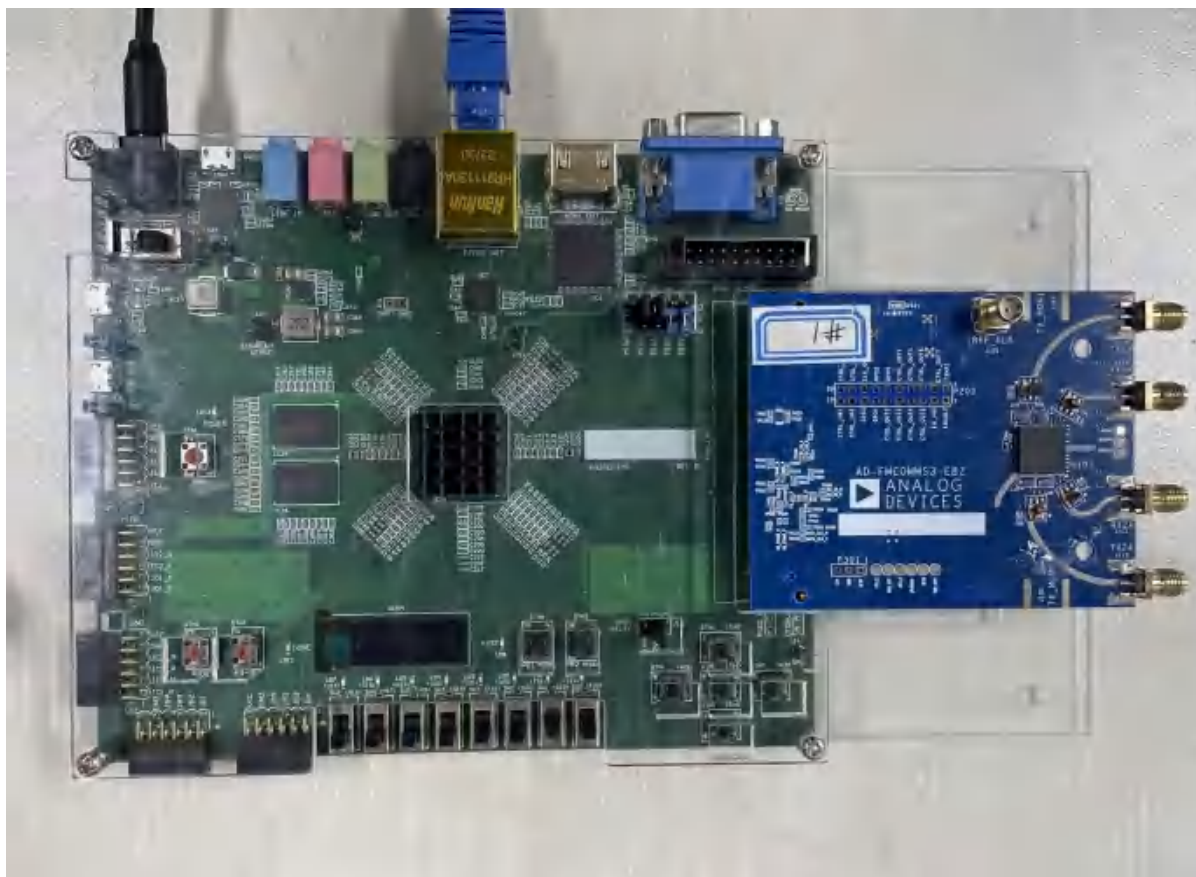
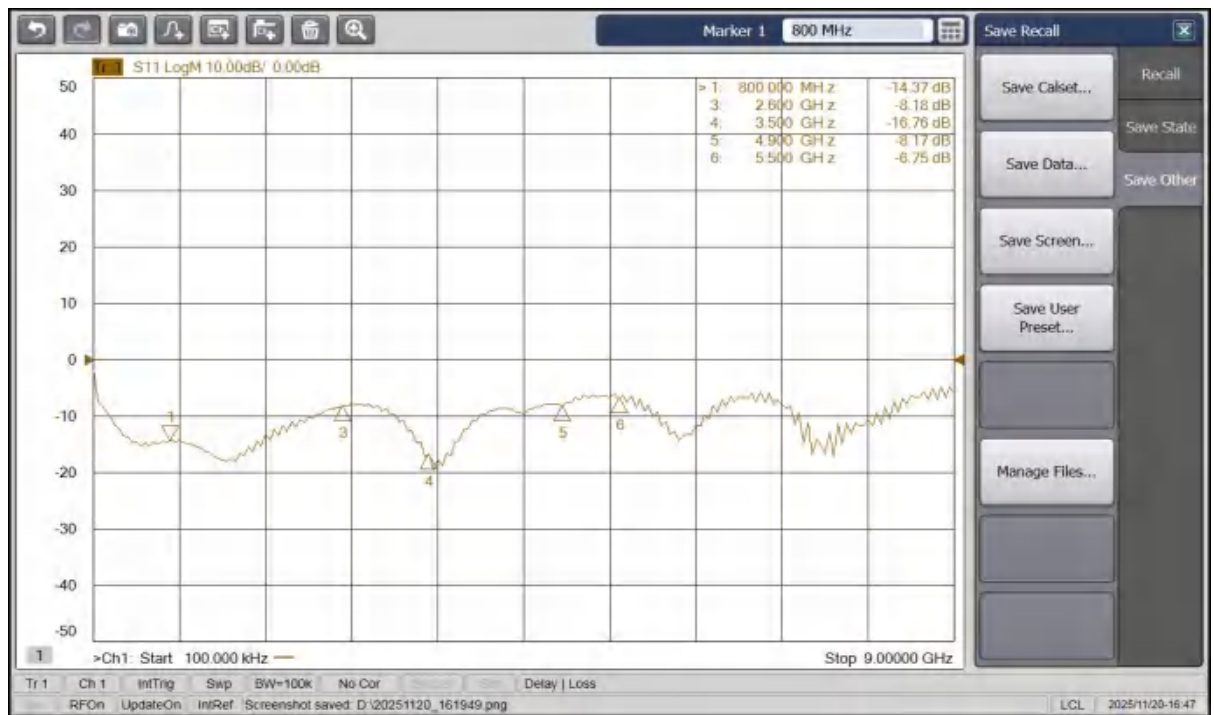


QX9361自测报告

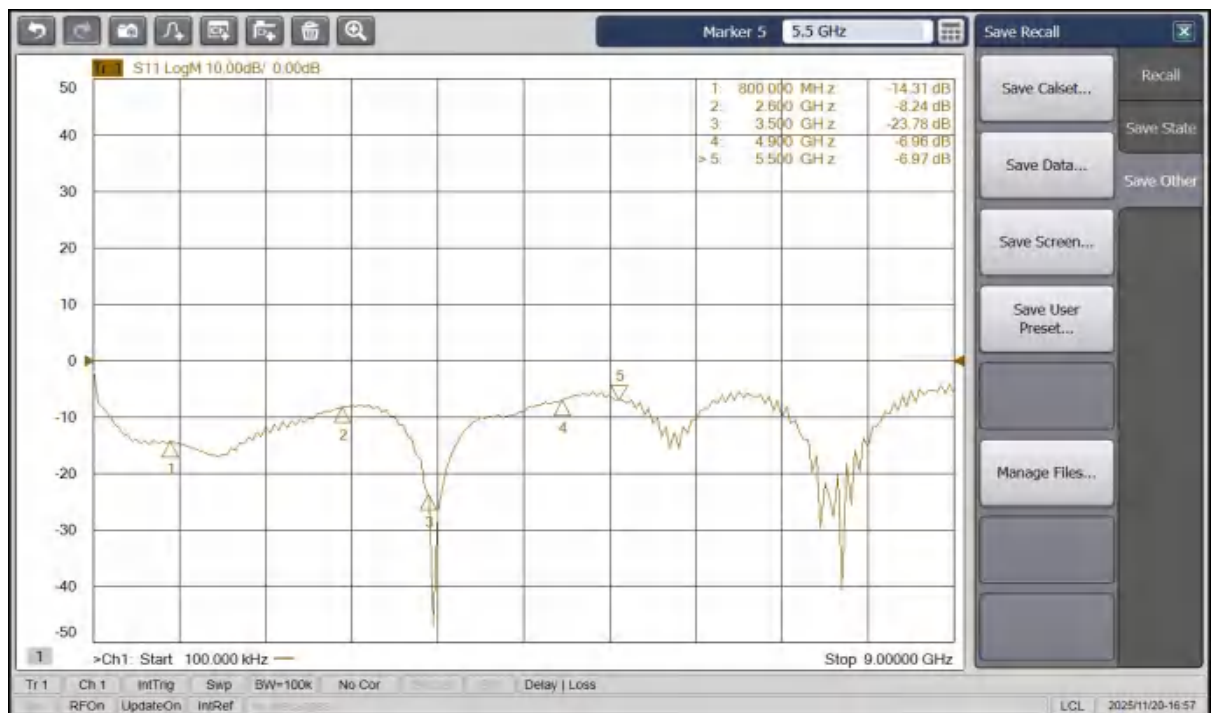
为方便对比及获取真实射频性能，评估板为外采，保持外围器件一致，只将原版芯片替换为 QX9361，后续指标基于该硬件平台获得。



1、发射



S22 - TX1A



S22 - TX2A

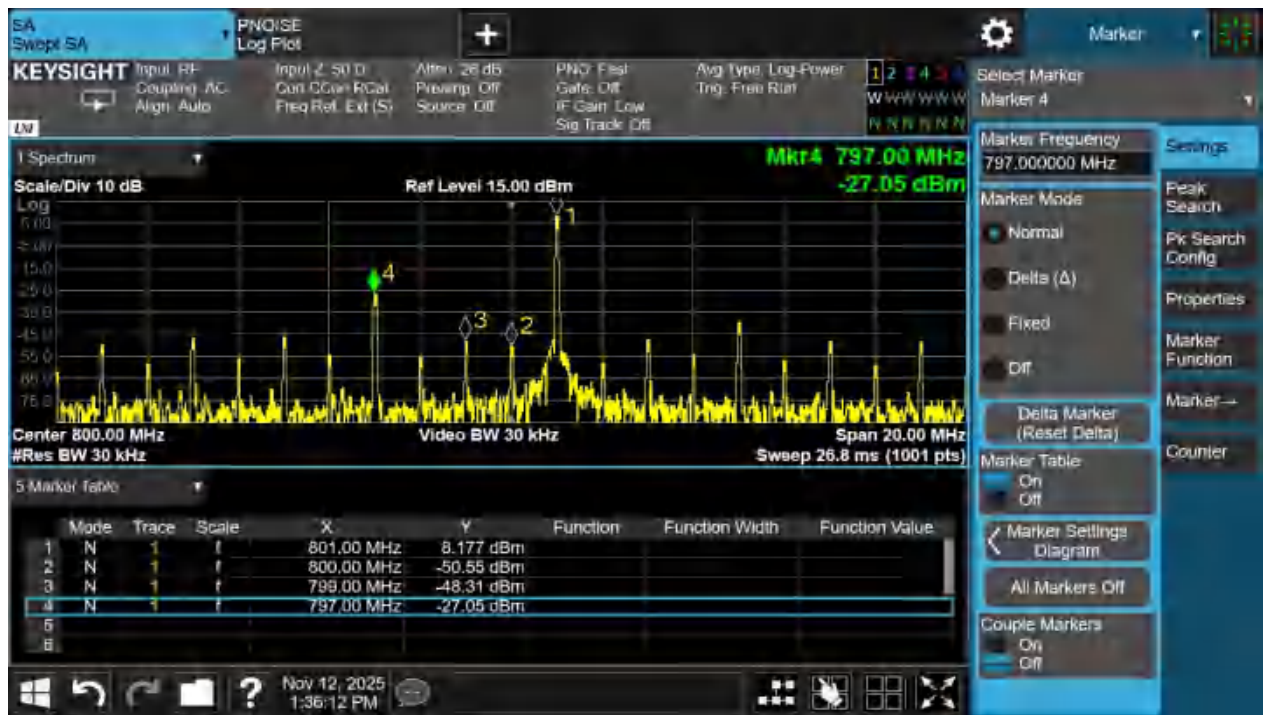
1.1 800M



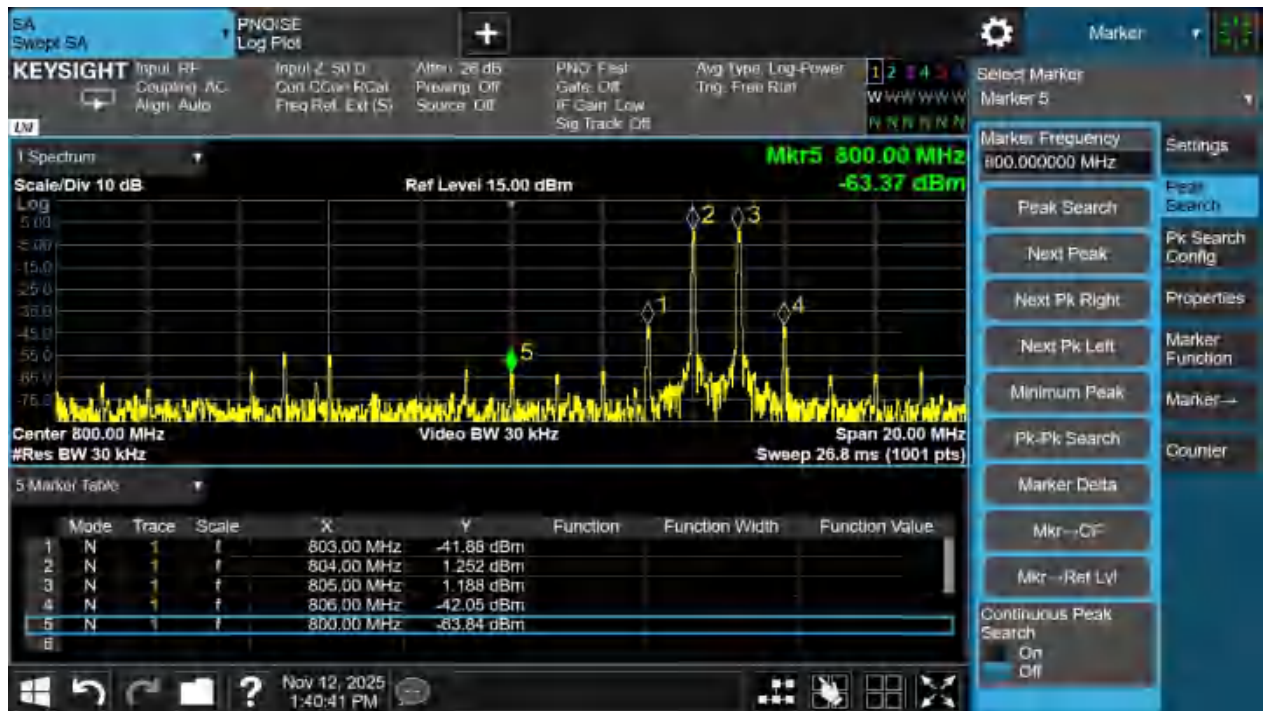
IPN - 800M (mdeg) 板载 40M 晶体参考源



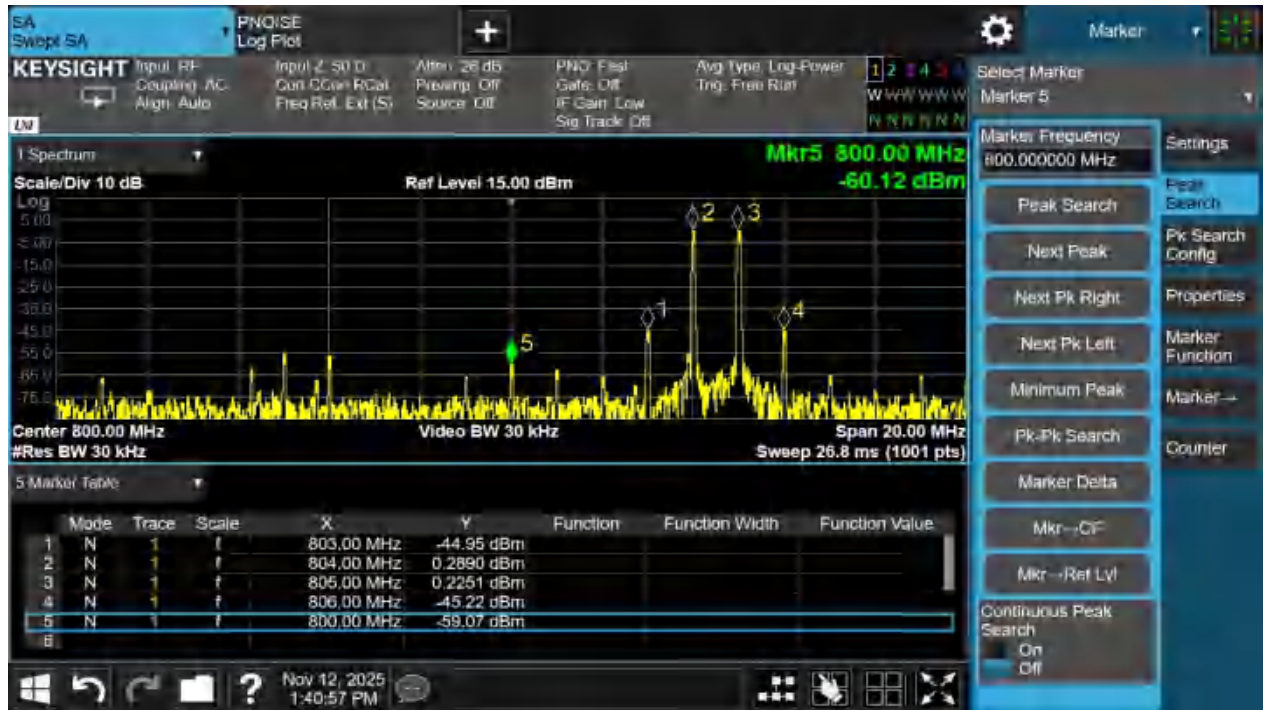
IPN - 800M (fs) 板载 40M 晶体参考源



Po max / IMR / LOL @ 800M



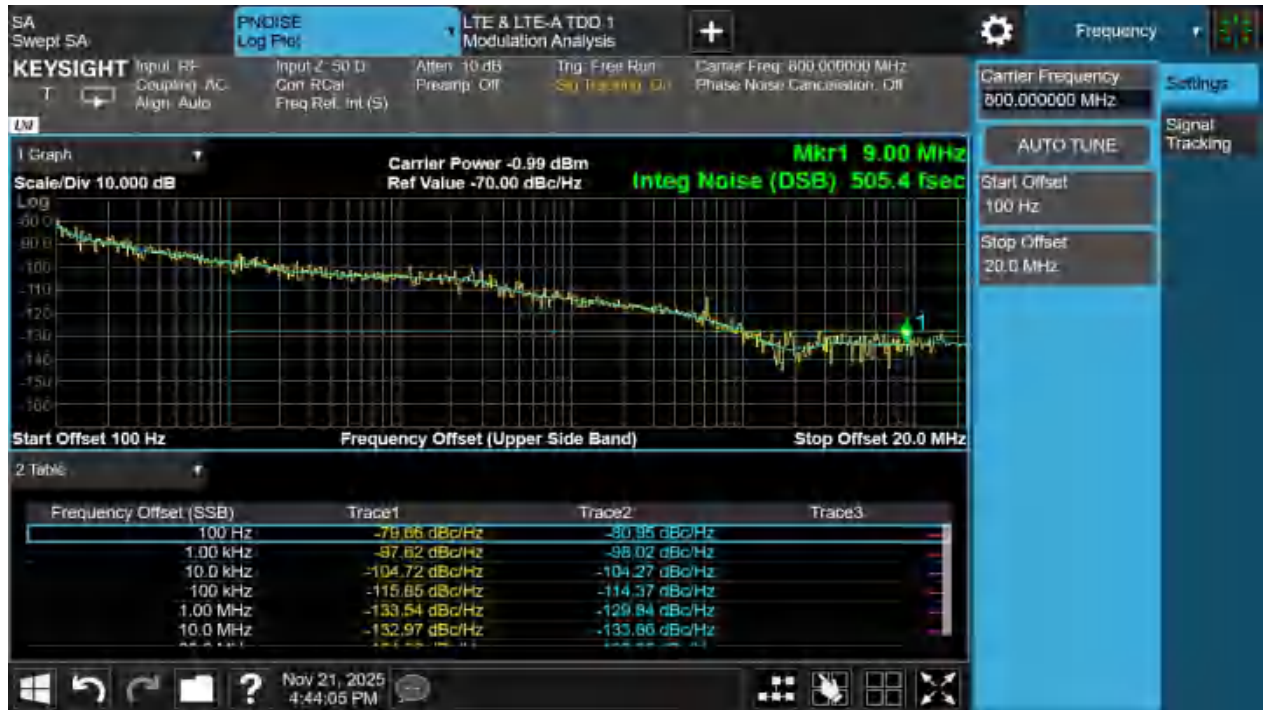
OIP3 @ 800M (-7dBfs 双音)



OIP3 @ 800M (-8dBfs 双音)



Noise floor @ 800M



IPN - 800M (fs) AD9528 参考源



IPN - 800M (dBc) AD9528 参考源



EVM @ 800M AD9528 参考源



64QAM EVM @ 800M AD9528 参考源

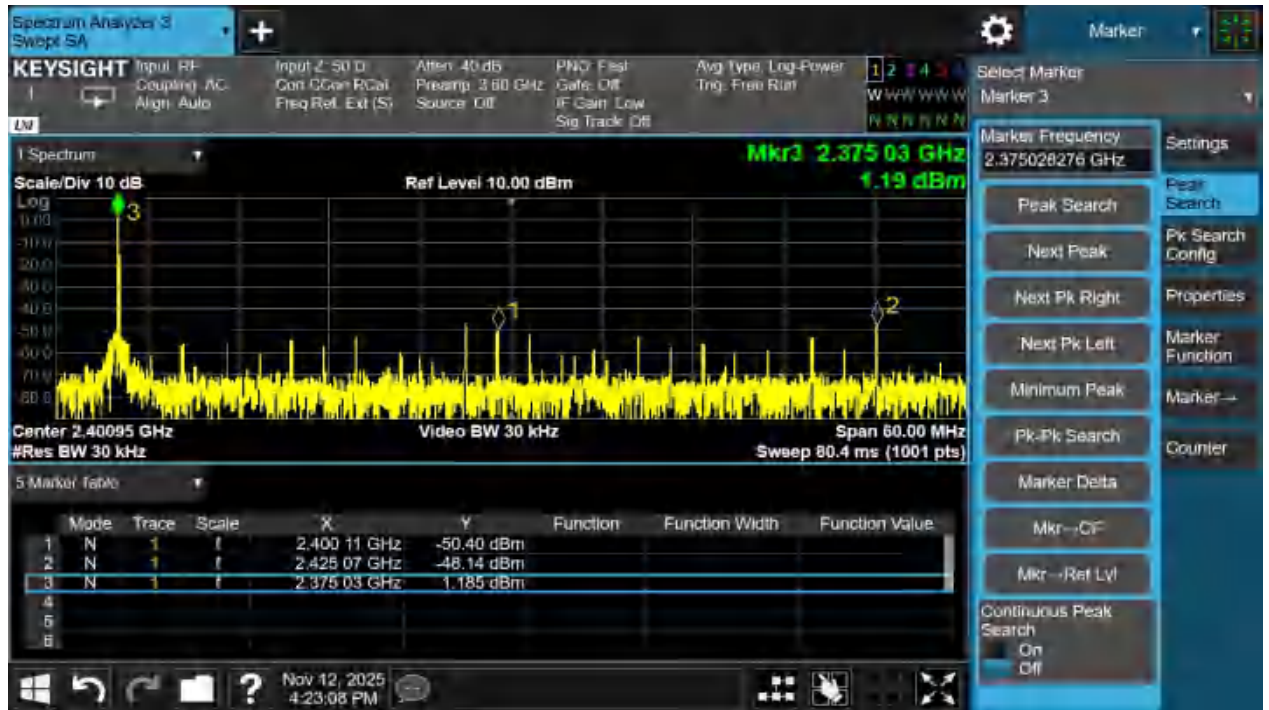
1.2 2400M（or 2600M）



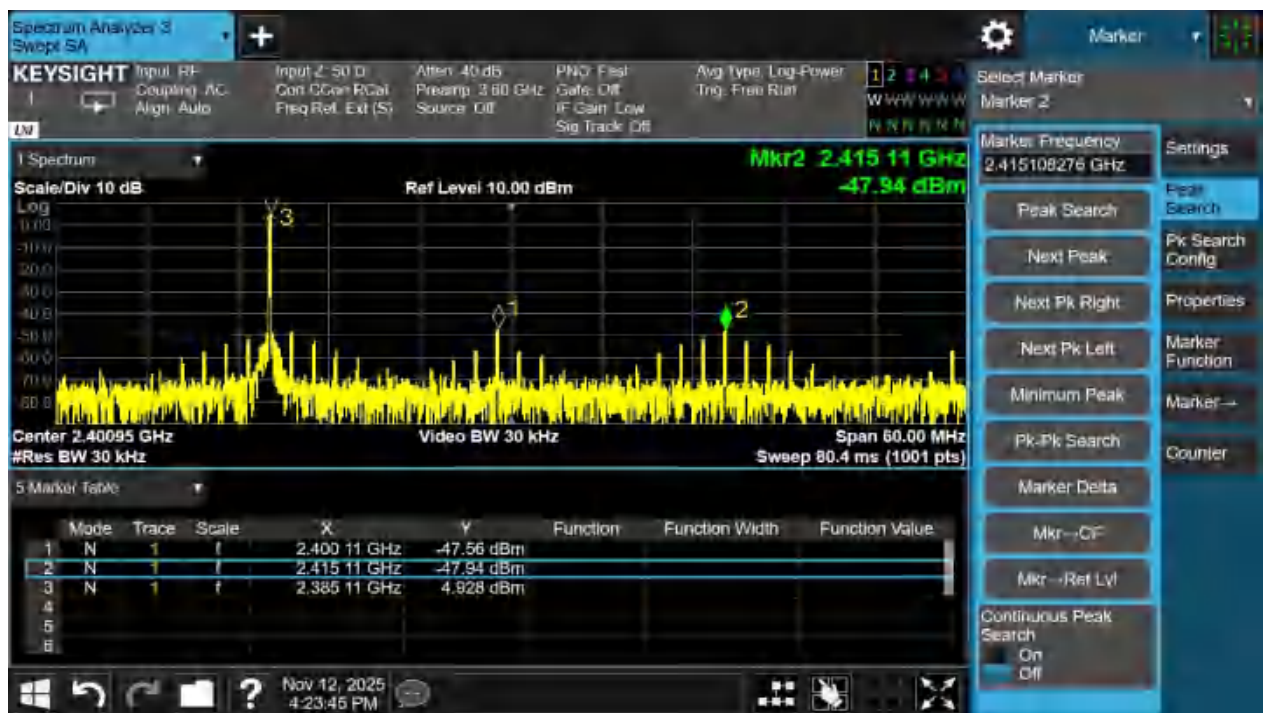
IPN - 2400M（mdeg）板载 40M 晶体参考源



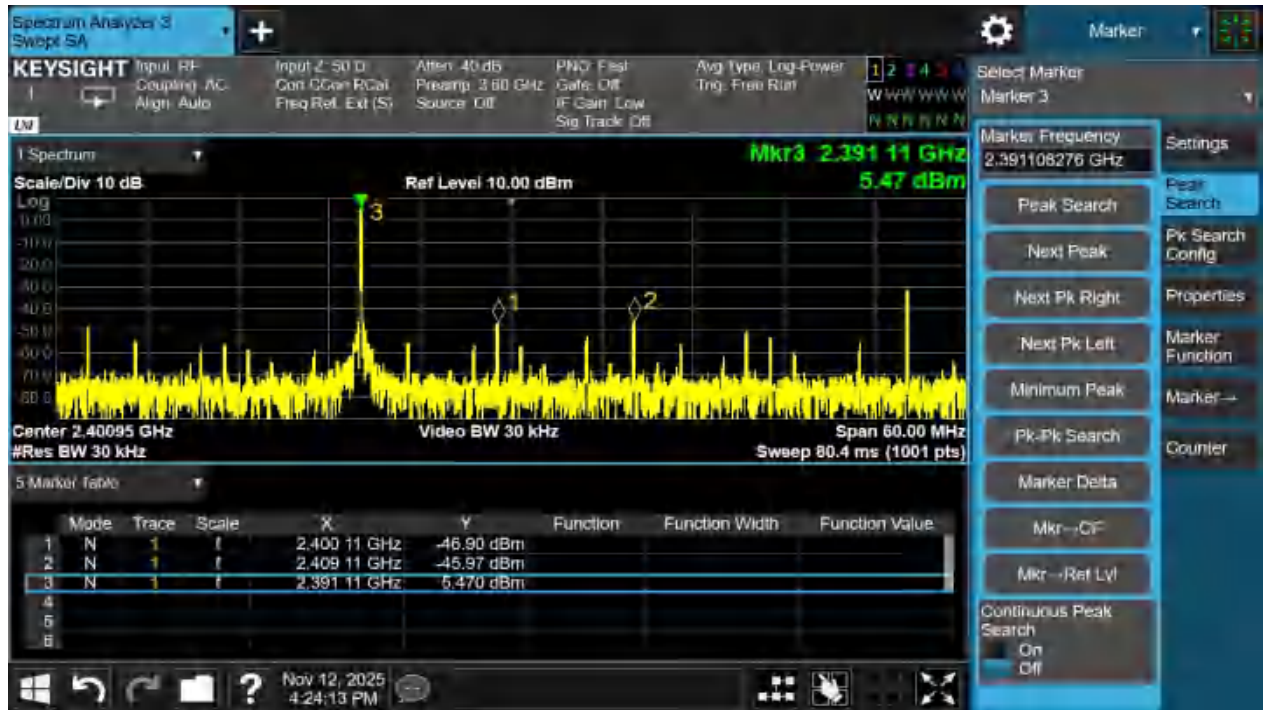
IPN - 2400M（fs）板载 40M 晶体参考源



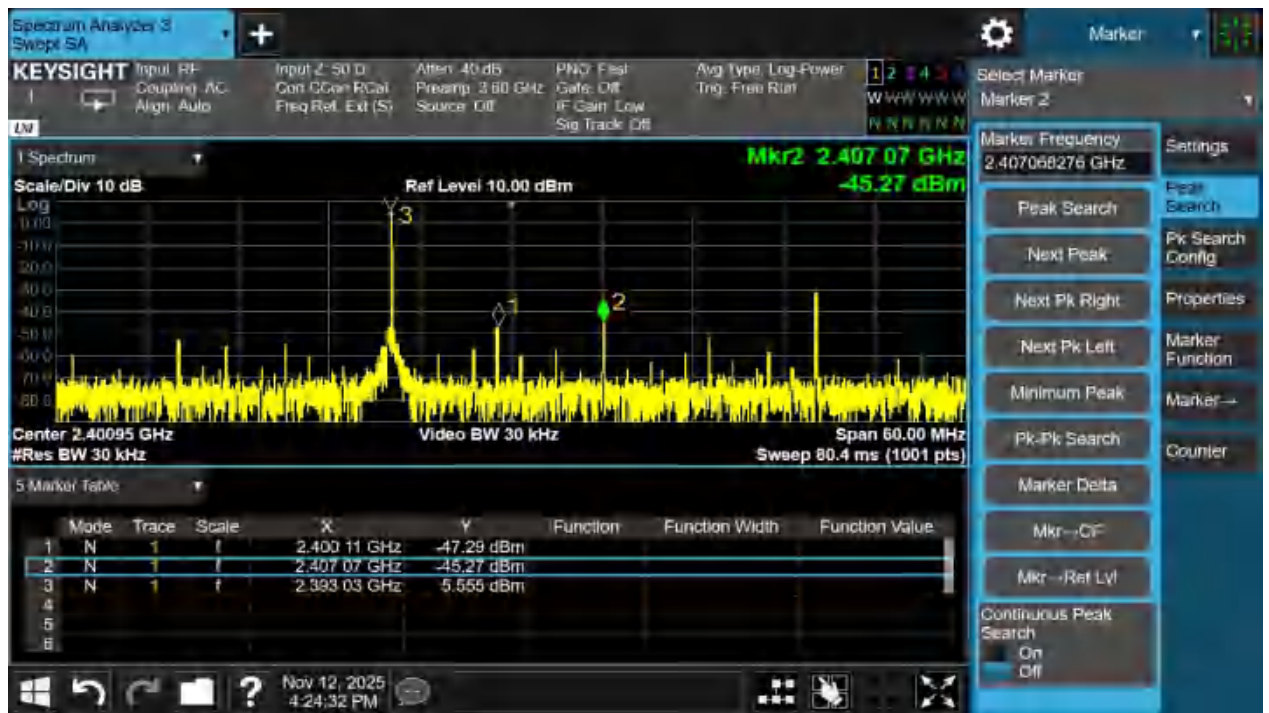
Po max / IMR / LOL @ 2400M TXLO -25M DDS



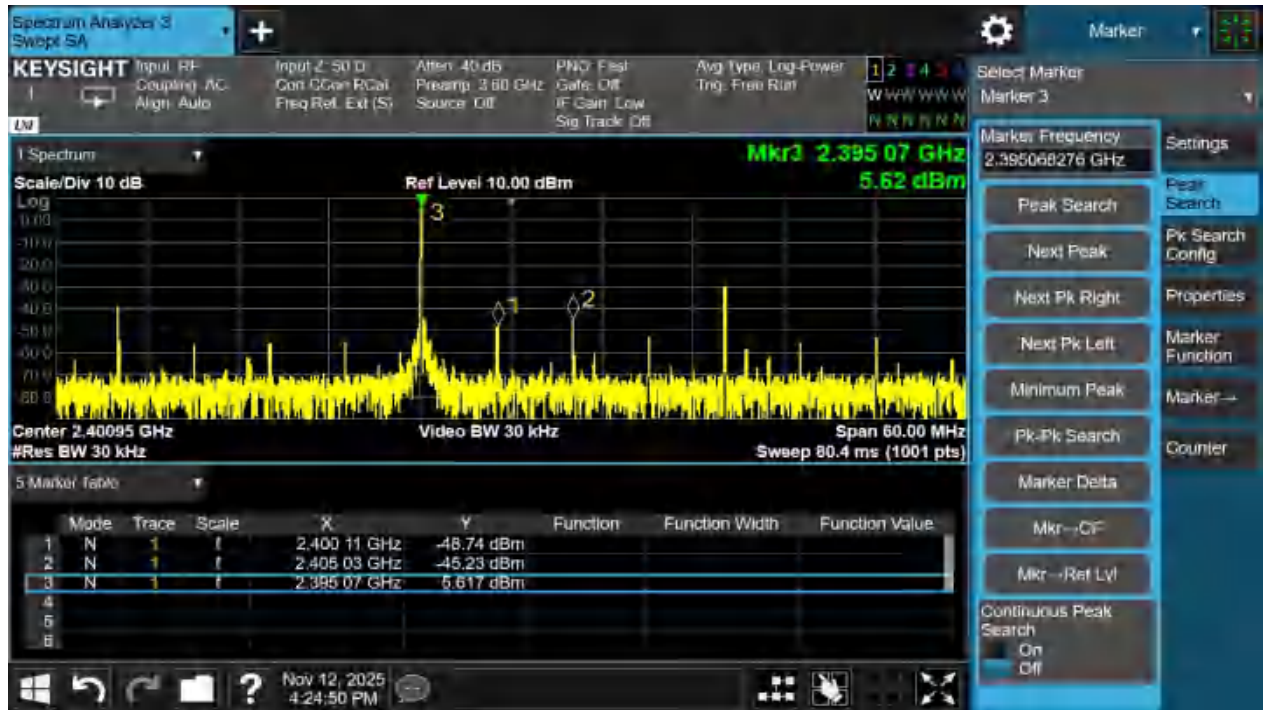
Po max / IMR / LOL @ 2400M TXLO -15M DDS



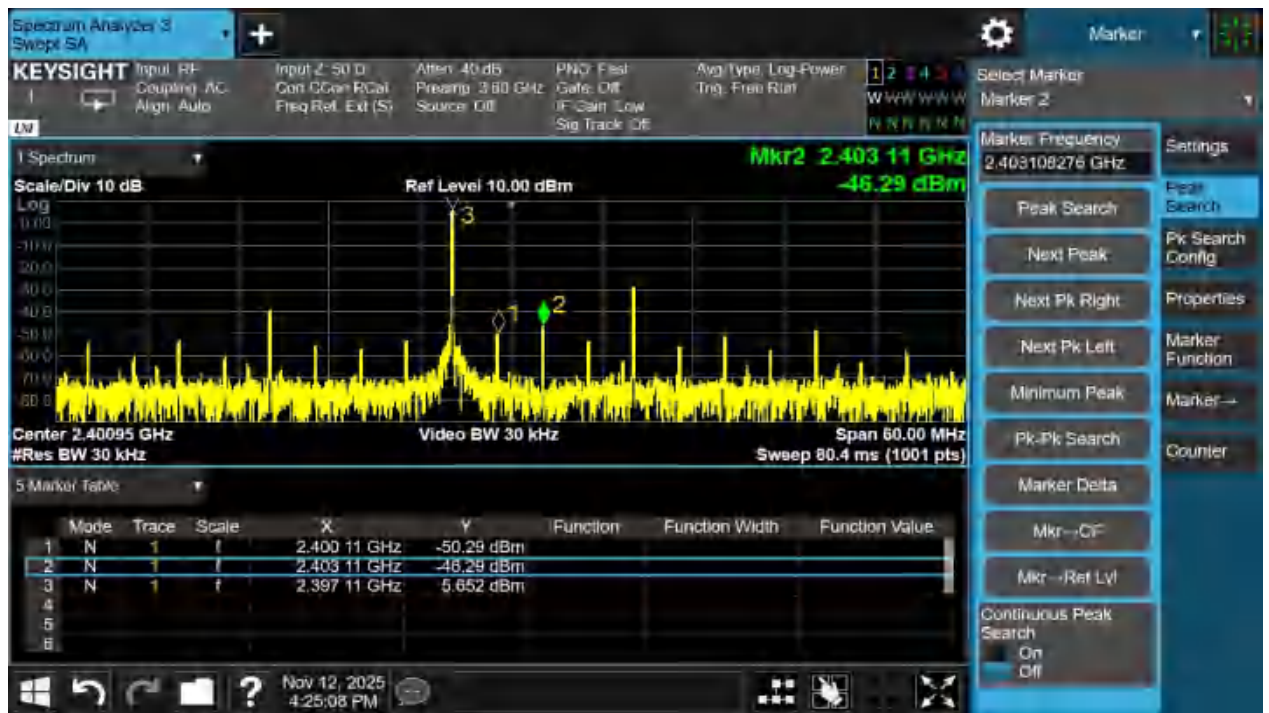
Po max / IMR / LOL @ 2400M TXLO -9M DDS



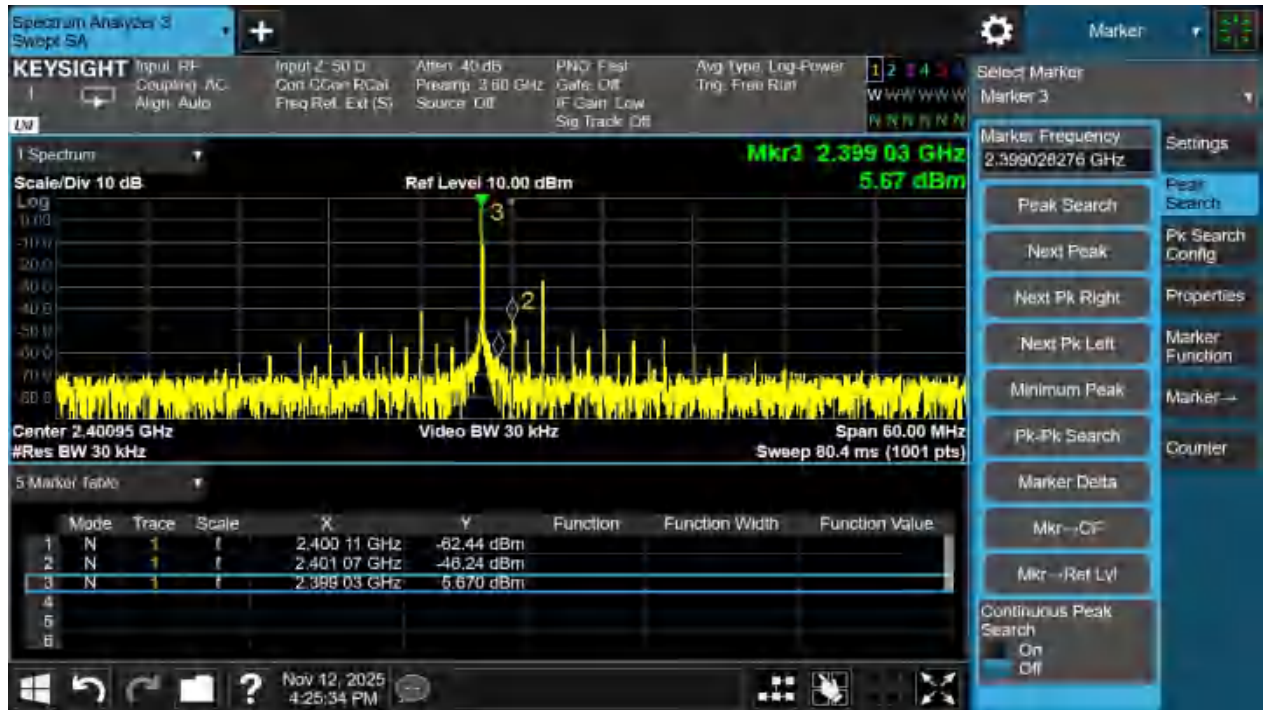
Po max / IMR / LOL @ 2400M TXLO -7M DDS



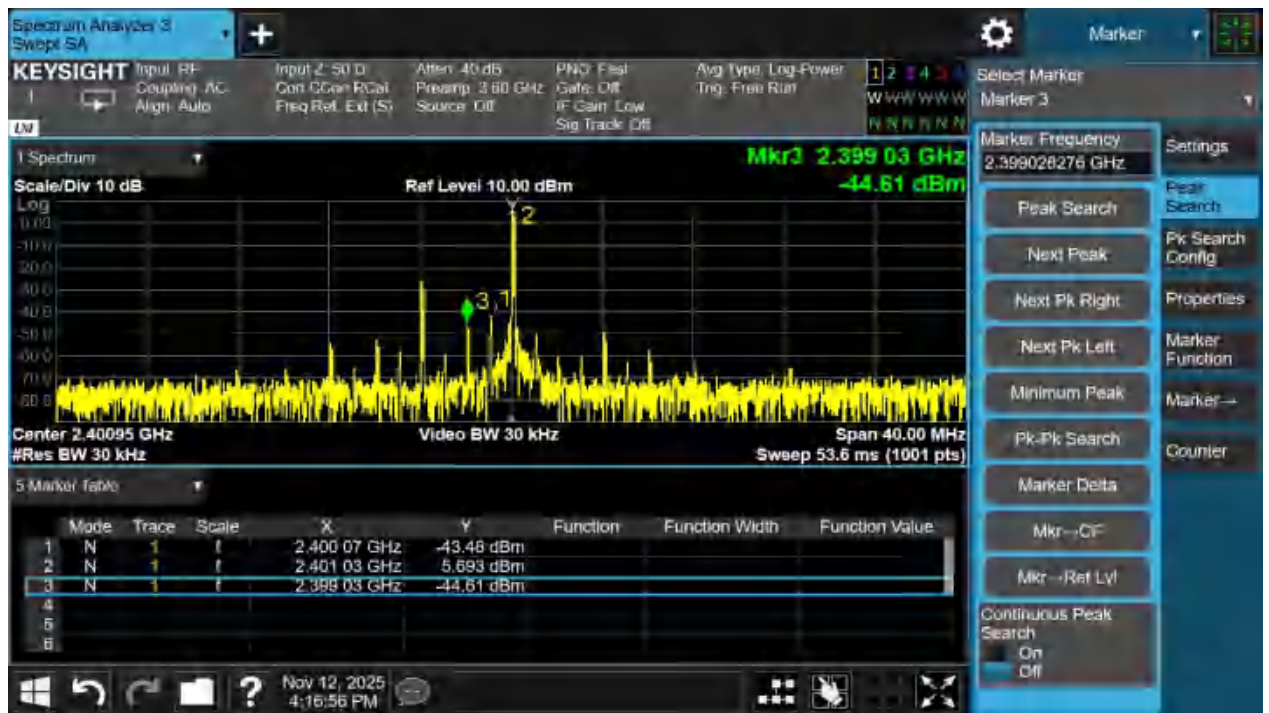
Po max / IMR / LOL @ 2400M TXLO -5M DDS



Po max / IMR / LOL @ 2400M TXLO -3M DDS



Po max / IMR / LOL @ 2400M TXLO -1M DDS



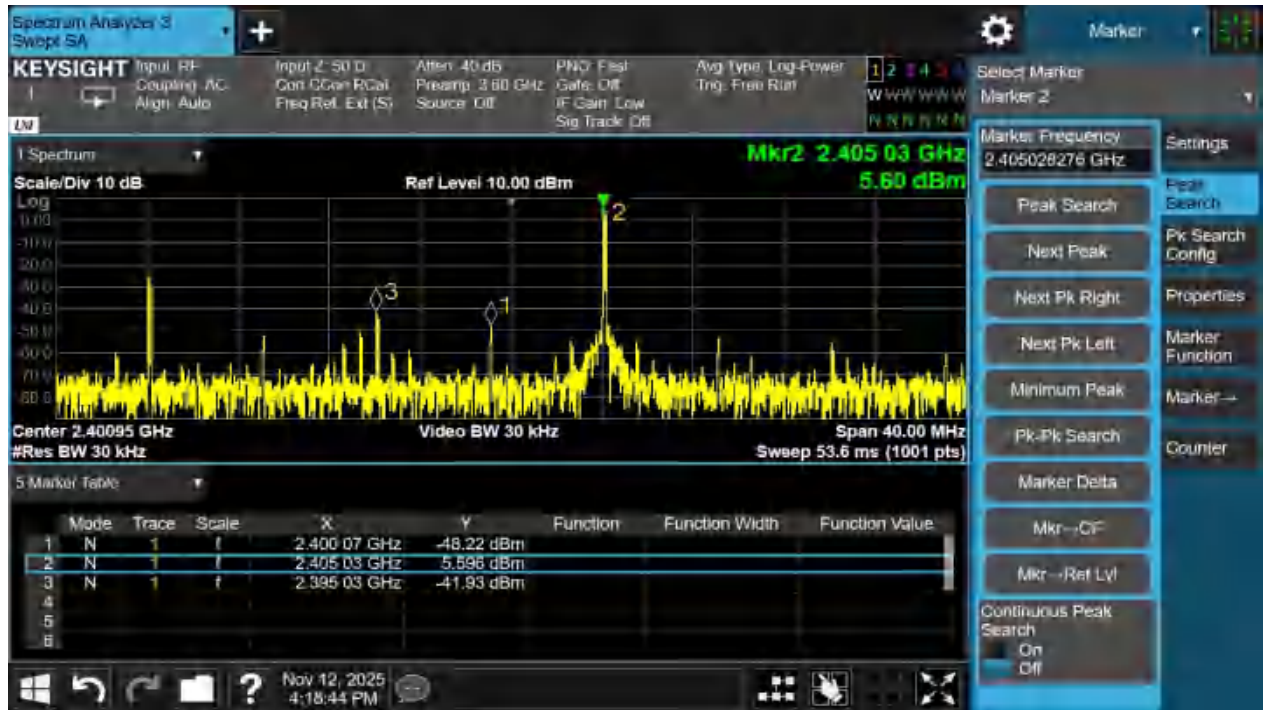
Po max / IMR / LOL @ 2400M TXLO +1M DDS



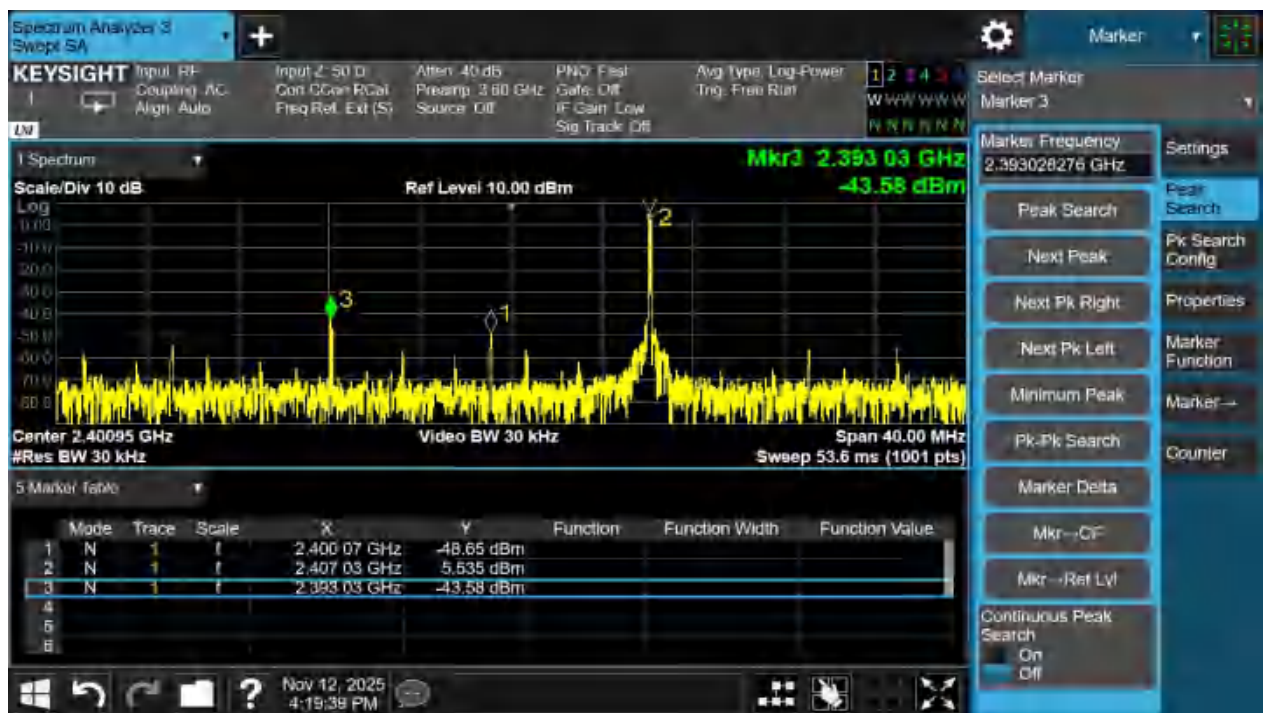
Po max / IMR / LOL @ 2400M TXLO +1M DDS



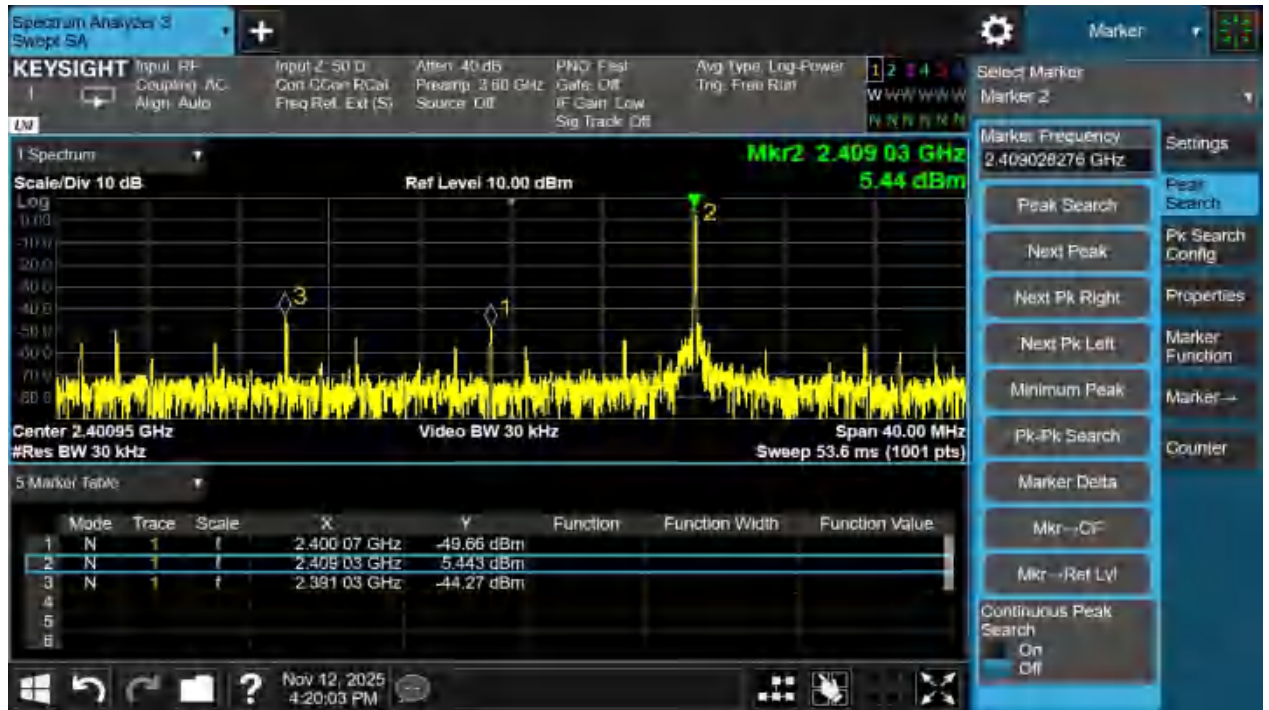
Po max / IMR / LOL @ 2400M TXLO +3M DDS



Po max / IMR / LOL @ 2400M TXLO +5M DDS



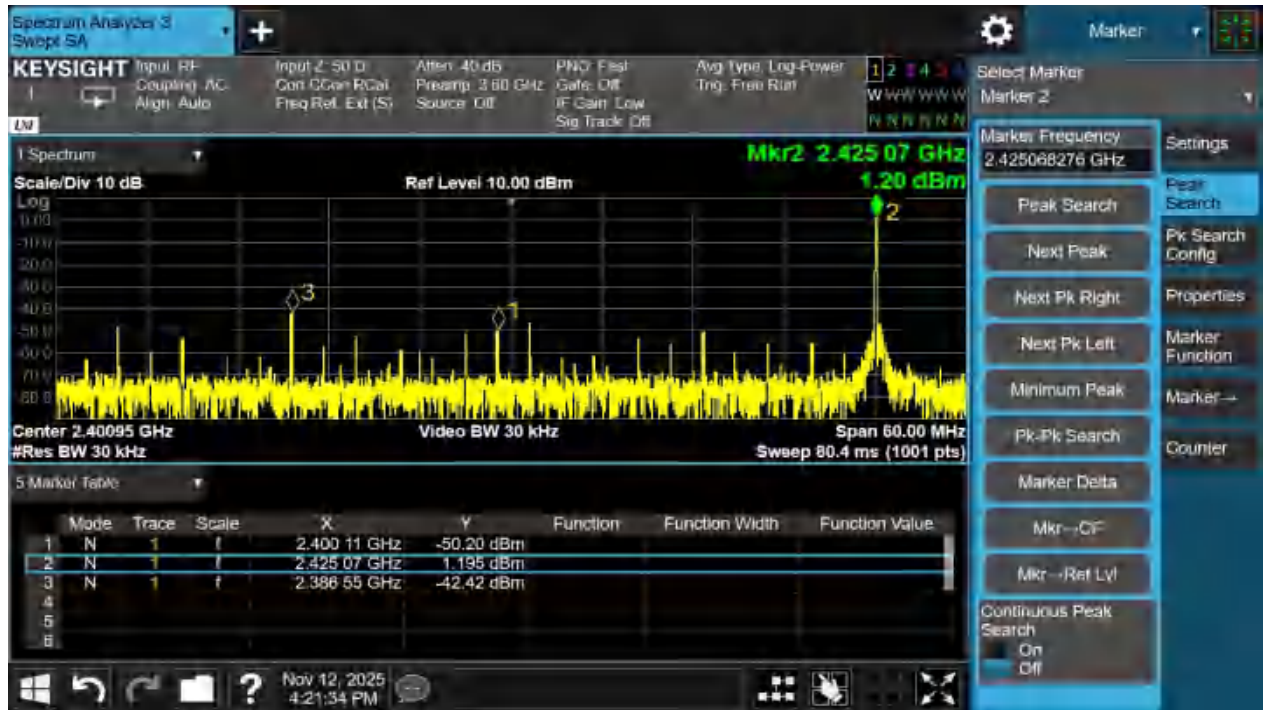
Po max / IMR / LOL @ 2400M TXLO +7M DDS



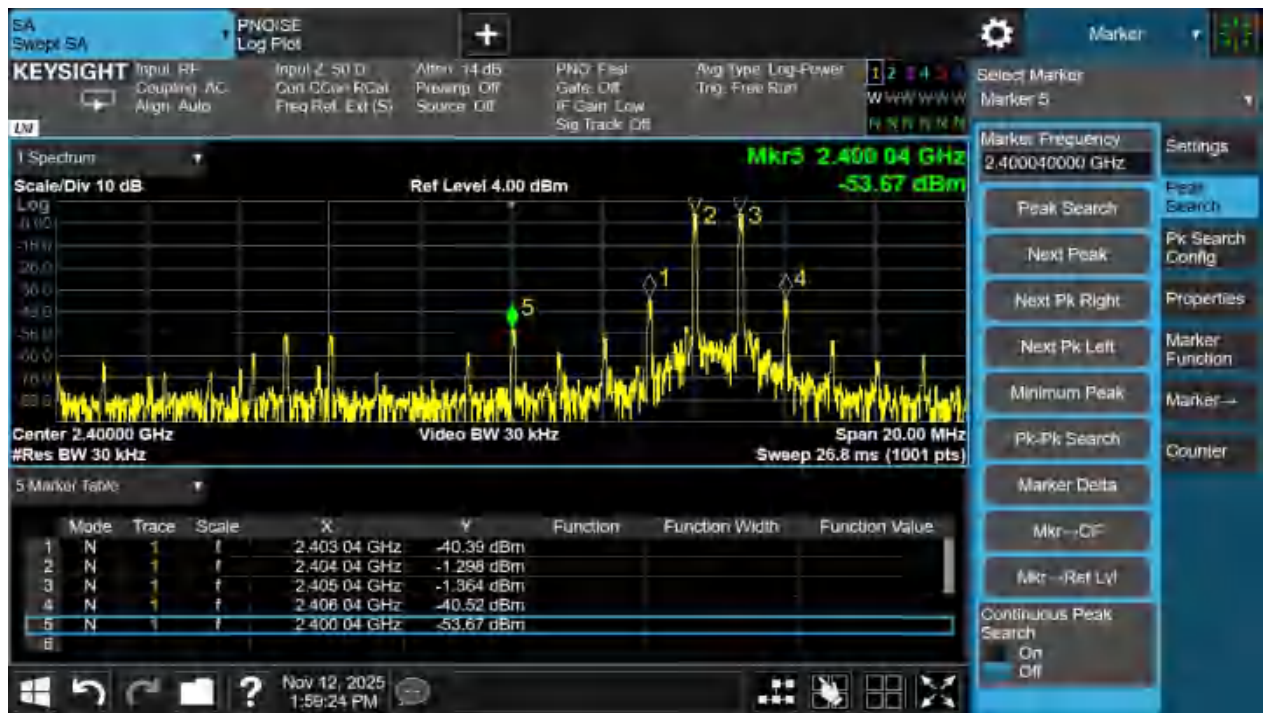
Po max / IMR / LOL @ 2400M TXLO +9M DDS



Po max / IMR / LOL @ 2400M TXLO +15M DDS



Po max / IMR / LOL @ 2400M TXLO +25M DDS



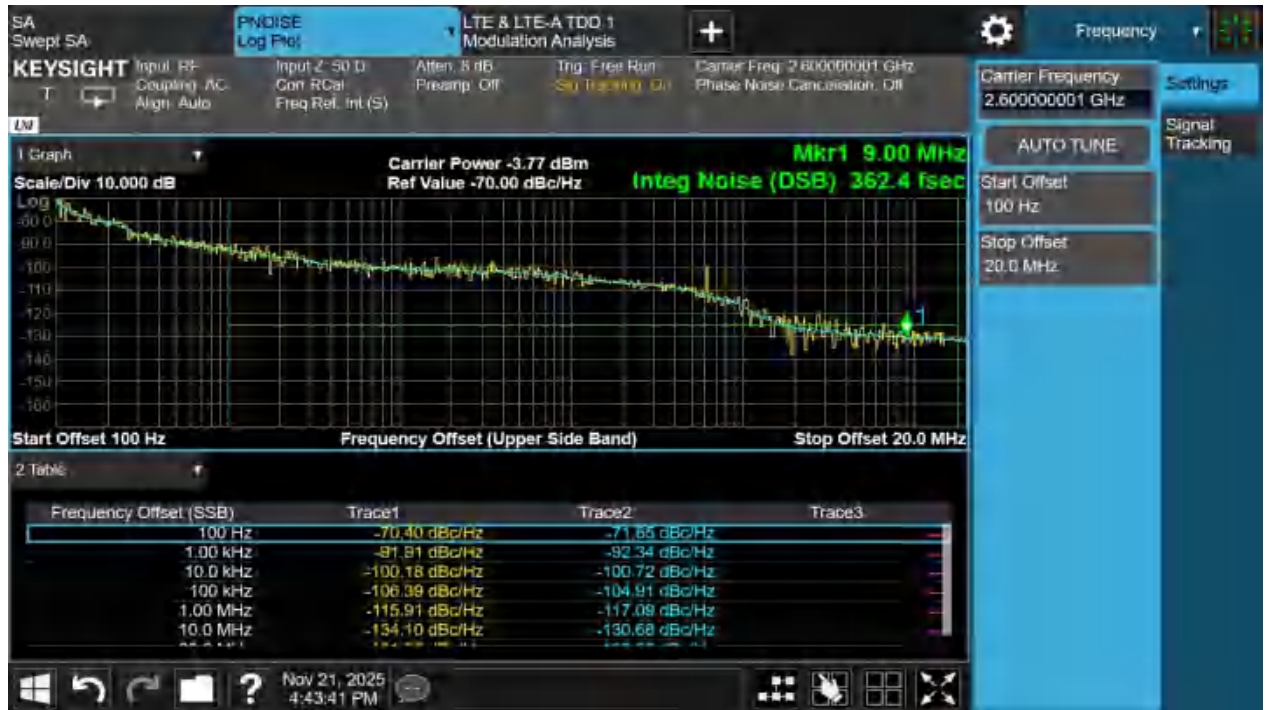
OIP3 @ 2400M (-7dBfs 双音)



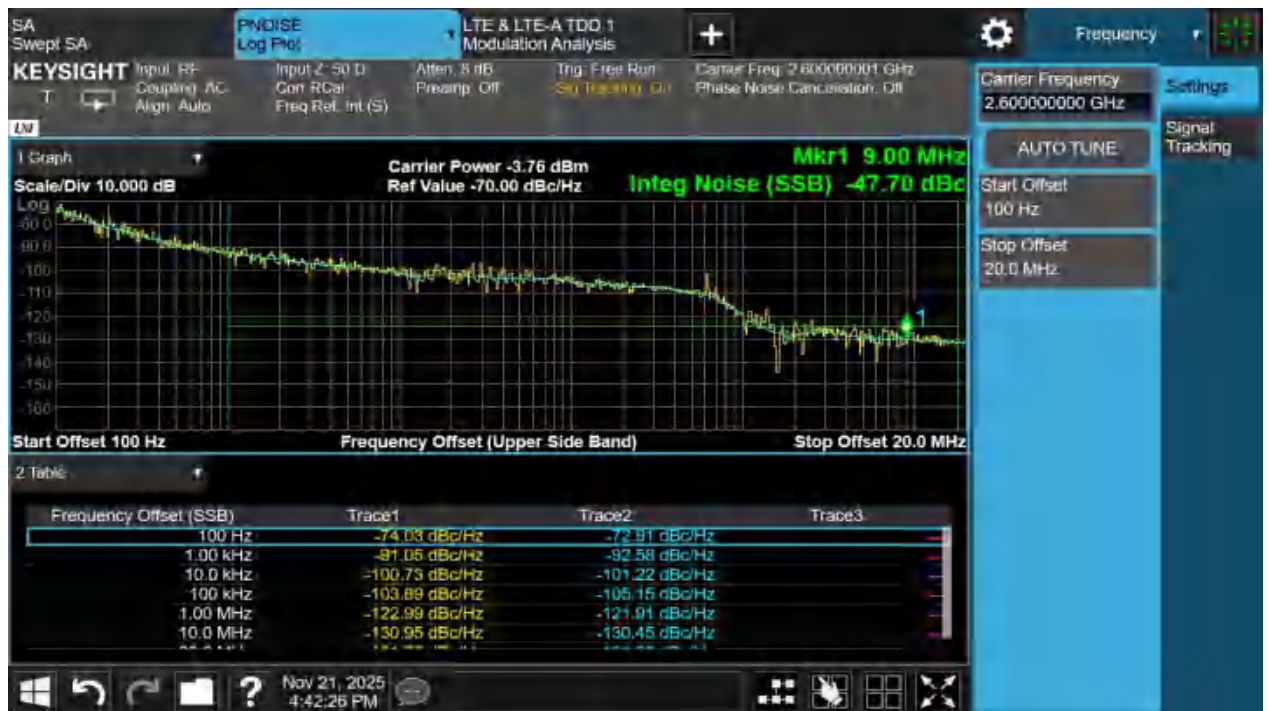
OIP3 @ 2400M (-8dBfs 双音)



Noise floor @ 2400M



IPN - 2600M (fs) AD9528 参考源



IPN - 2600M (dBc) AD9528 参考源



EVM @ 2600M AD9528 参考源



64QAM EVM @ 2600M AD9528 参考源

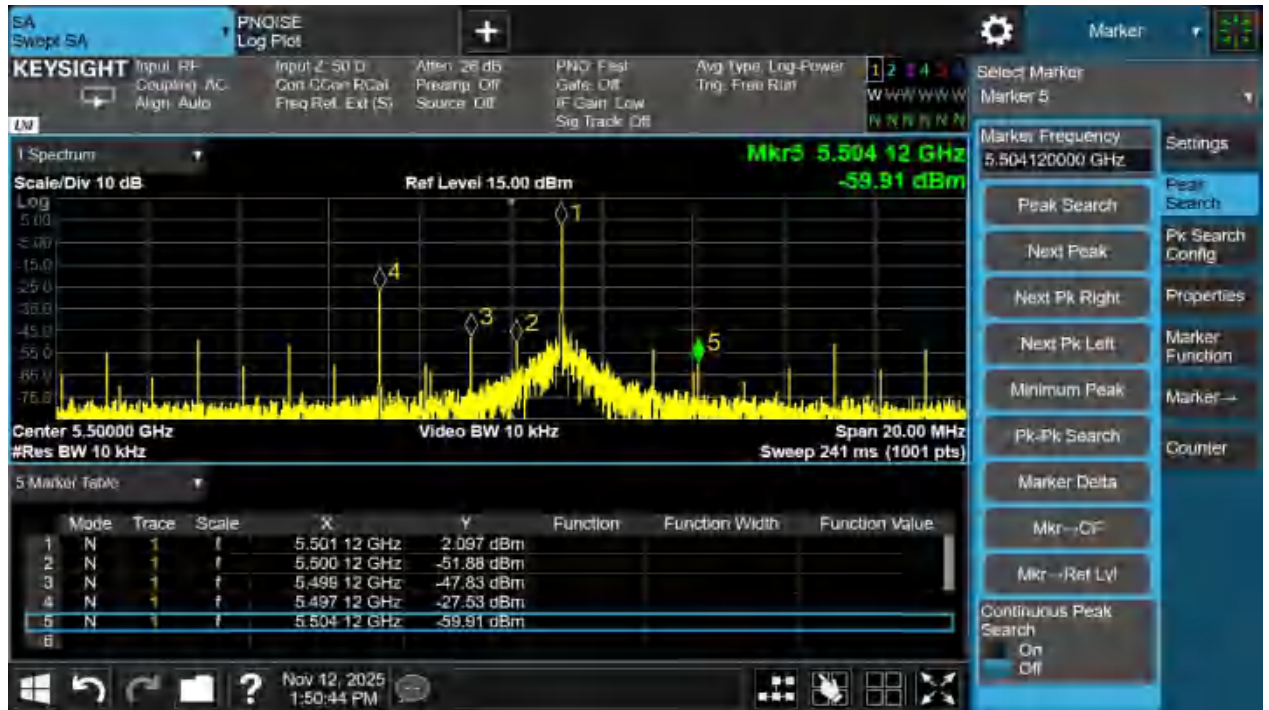
1.3 5500M



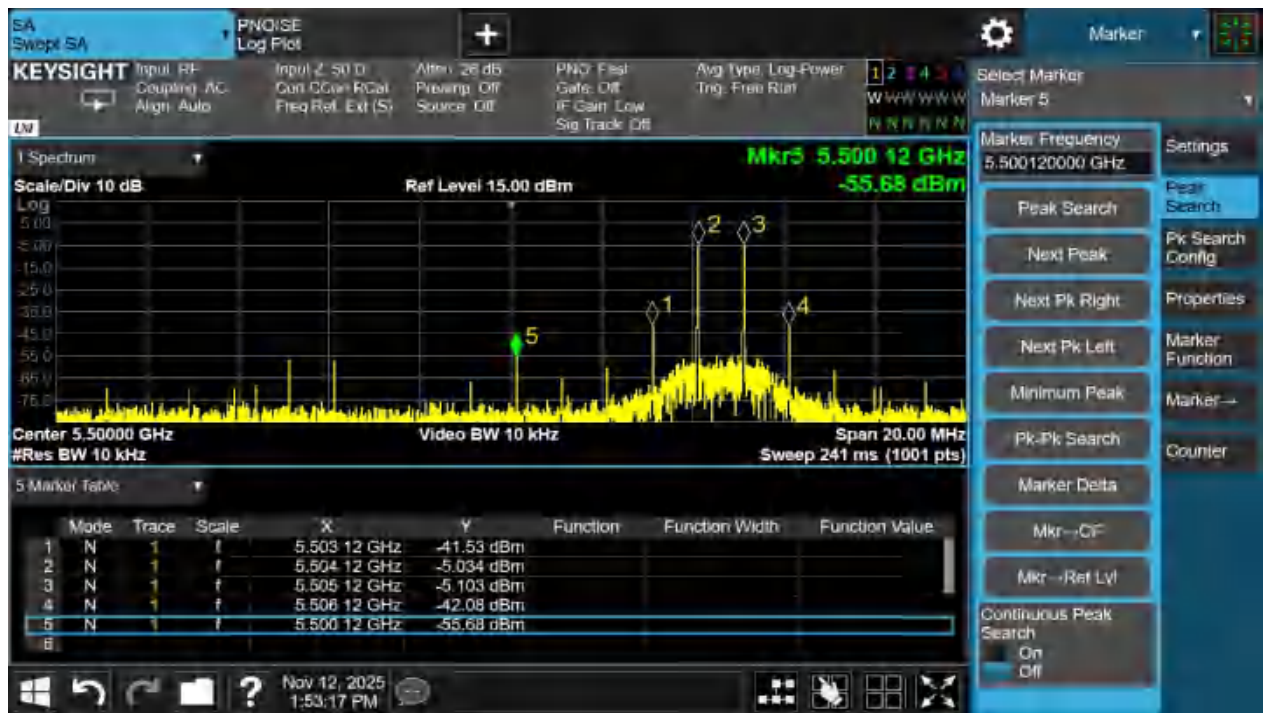
IPN - 5500M（mdeg）板载 40M 晶体参考源



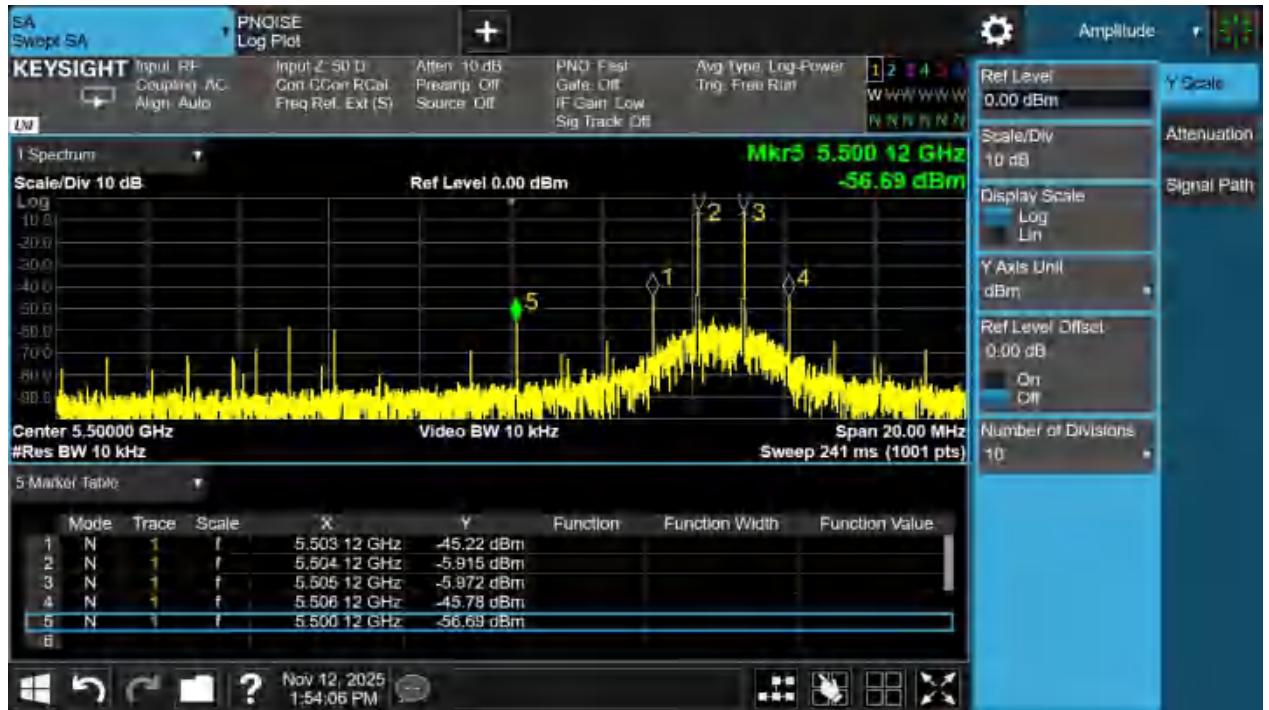
IPN - 5500M（fs）板载 40M 晶体参考源



Po max / IMR / LOL @ 5500M TXLO



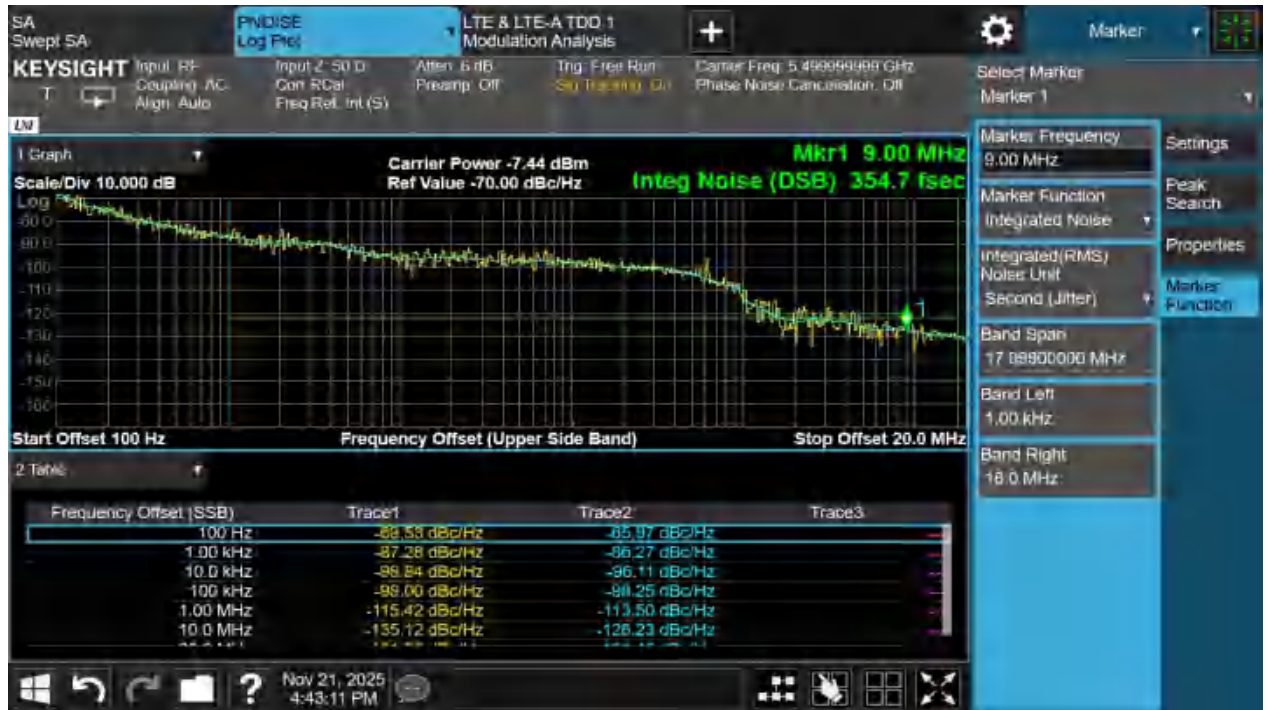
OIP3 @ 5500M (-7dBfs 双音)



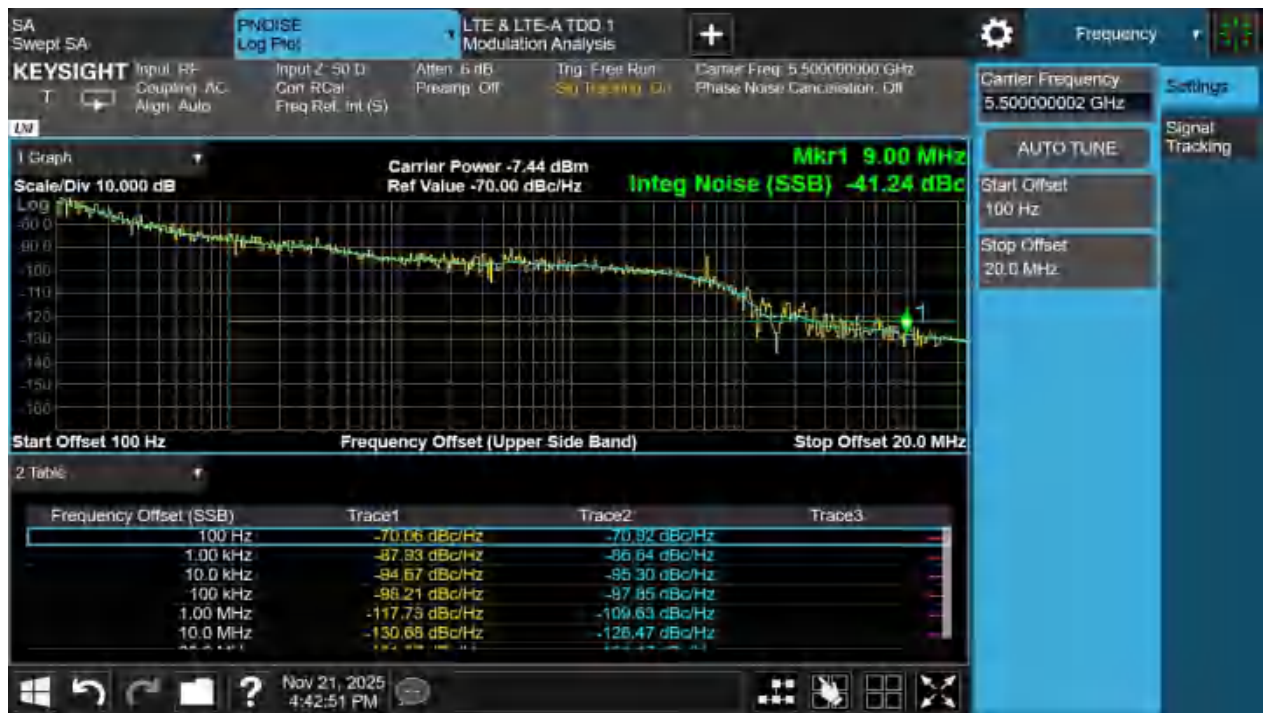
OIP3 @ 5500M (-8dBfs 双音)



Noise Floor @ 5500M



IPN - 5500M (fs) AD9528 参考源



IPN - 5500M (dBc) AD9528 参考源

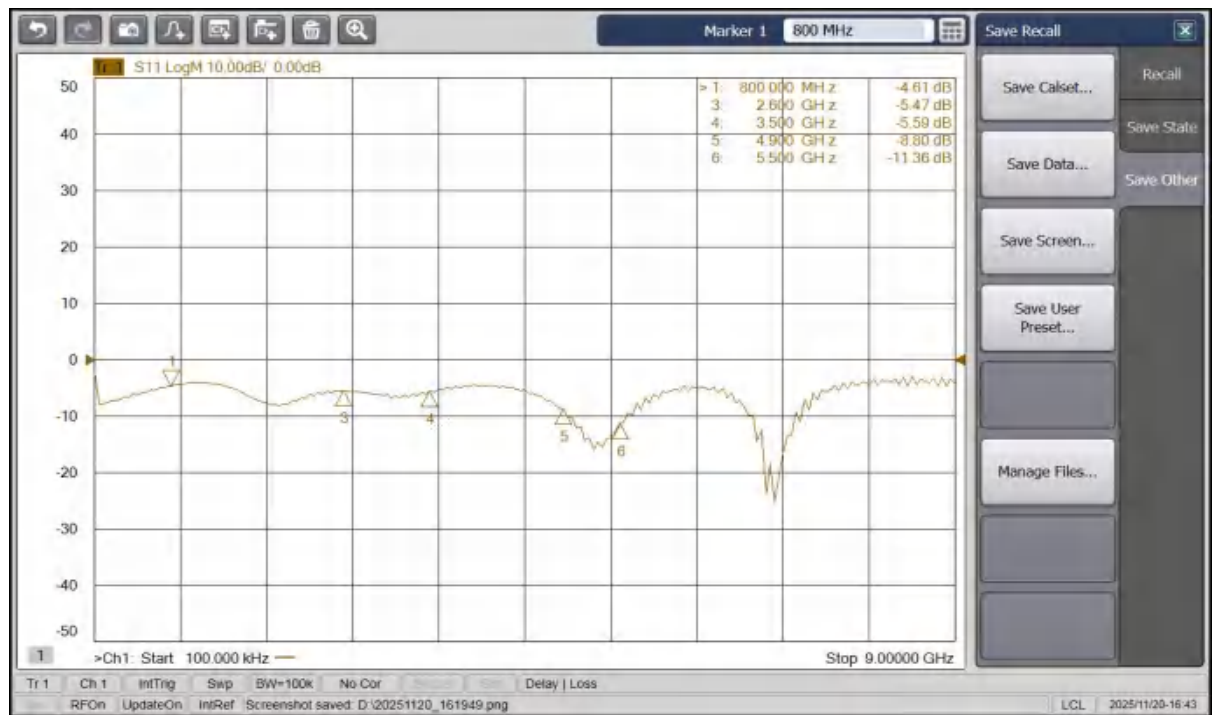


EVM @ 5500M AD9528 参考源

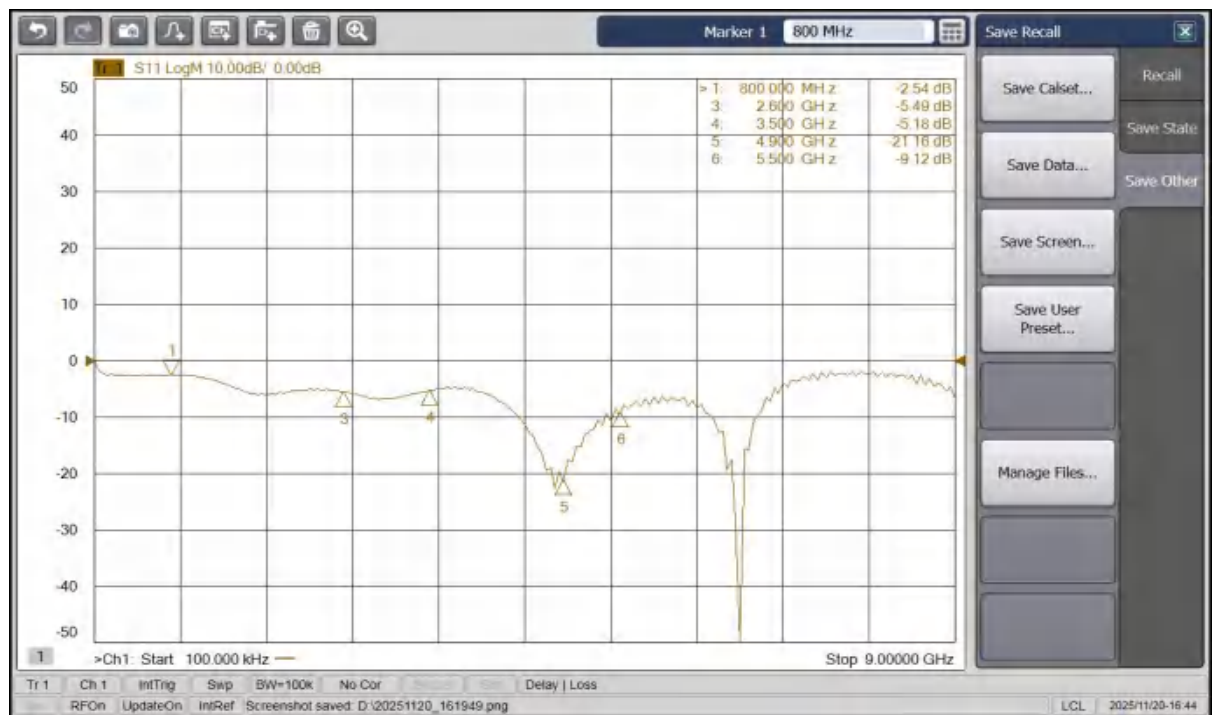


64QAM EVM @ 5500M AD9528 参考源

2、接收

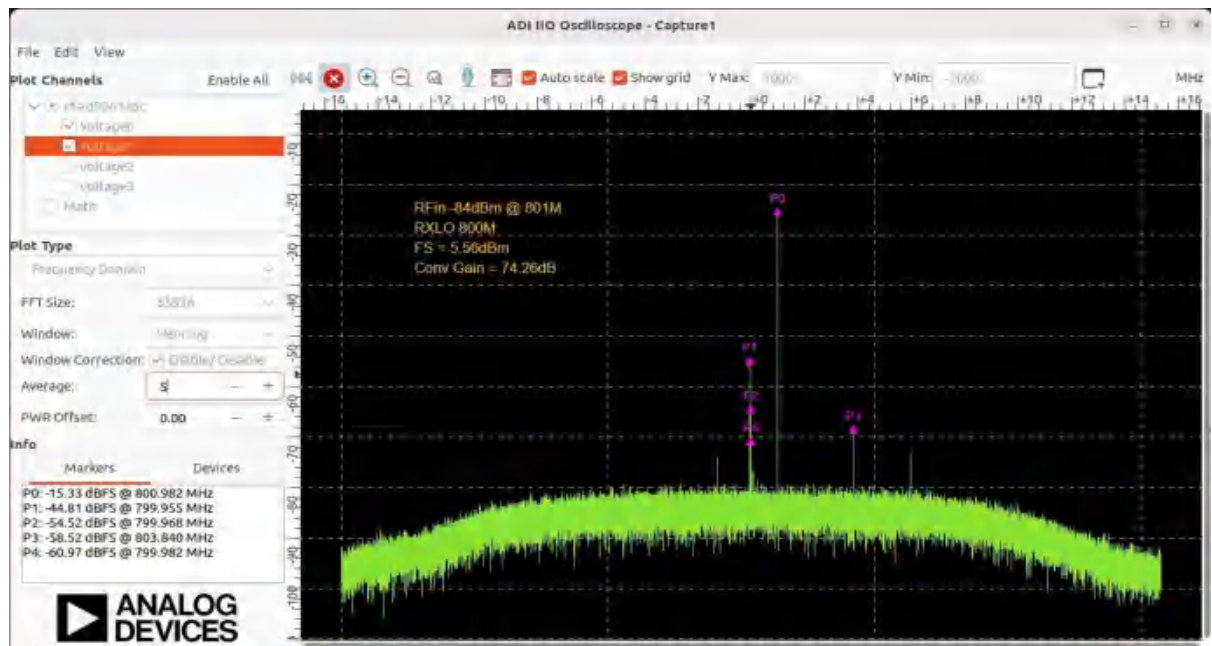


S11 - RX1A

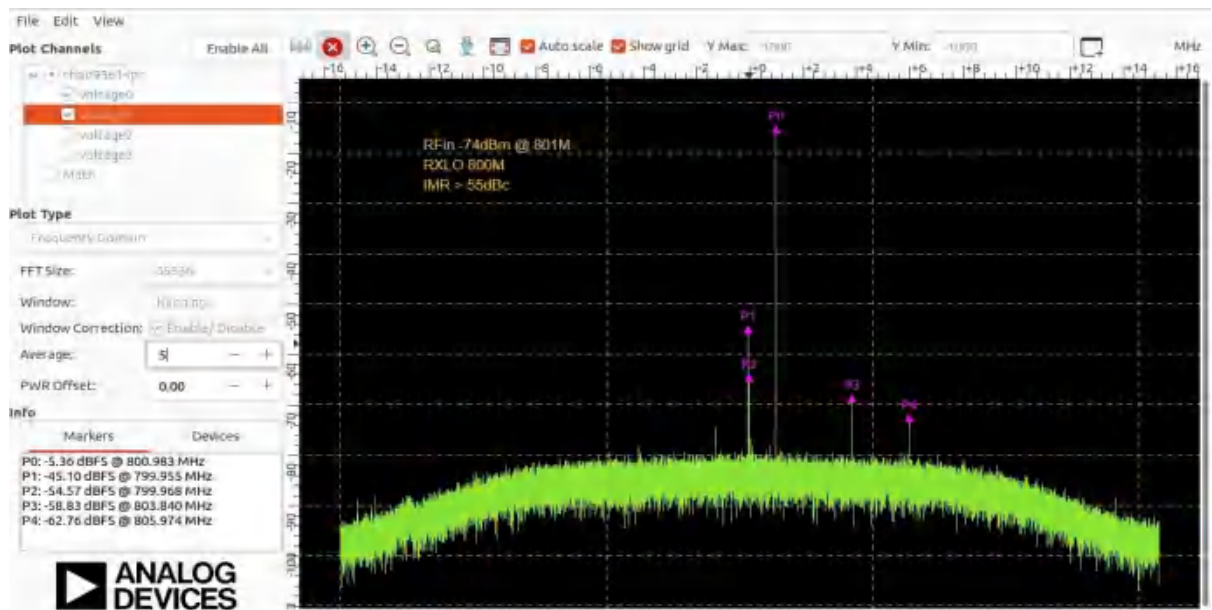


S11 - RX2A

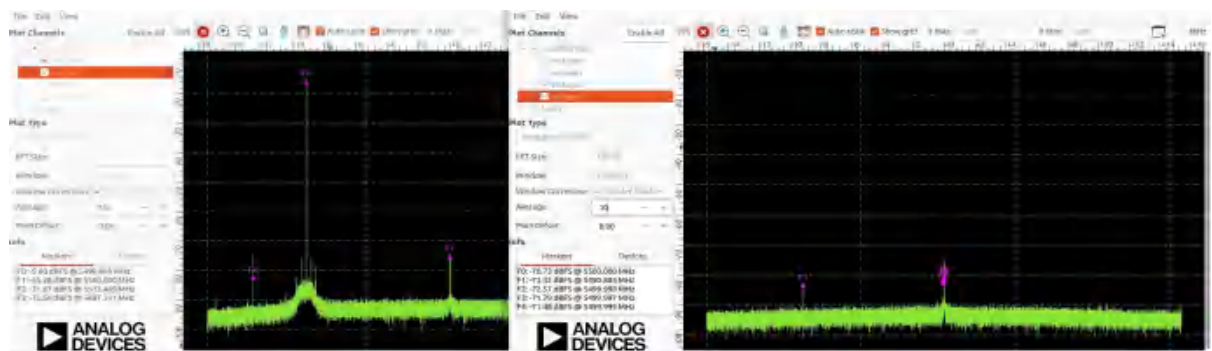
2.1 800M



Gain max/IMR/DC offset @ 800M

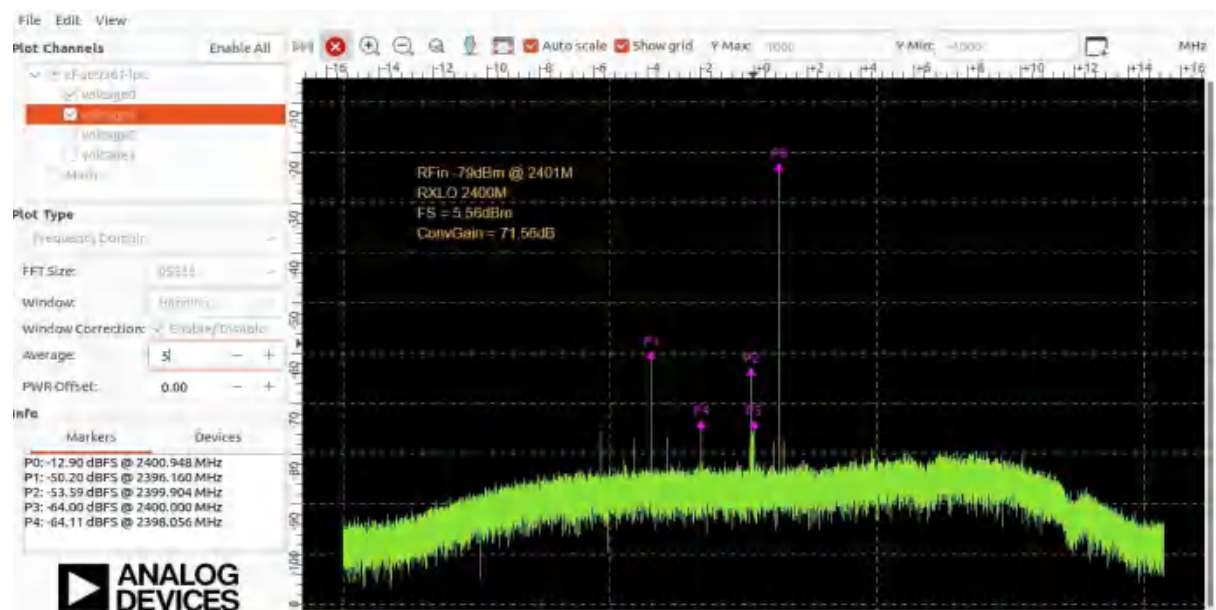


Gain max/IMR/DC offset @ 800M



ISO @ 800M

2.2 2400M (or 2600M)

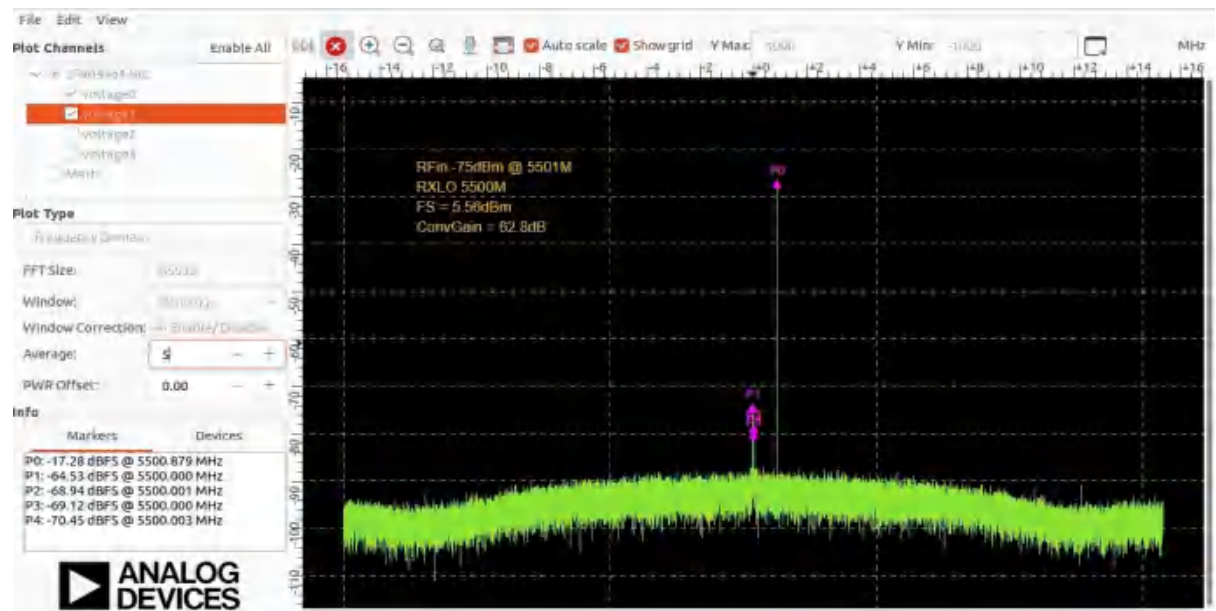


Gain max/IMR/DC offset @ 2400M

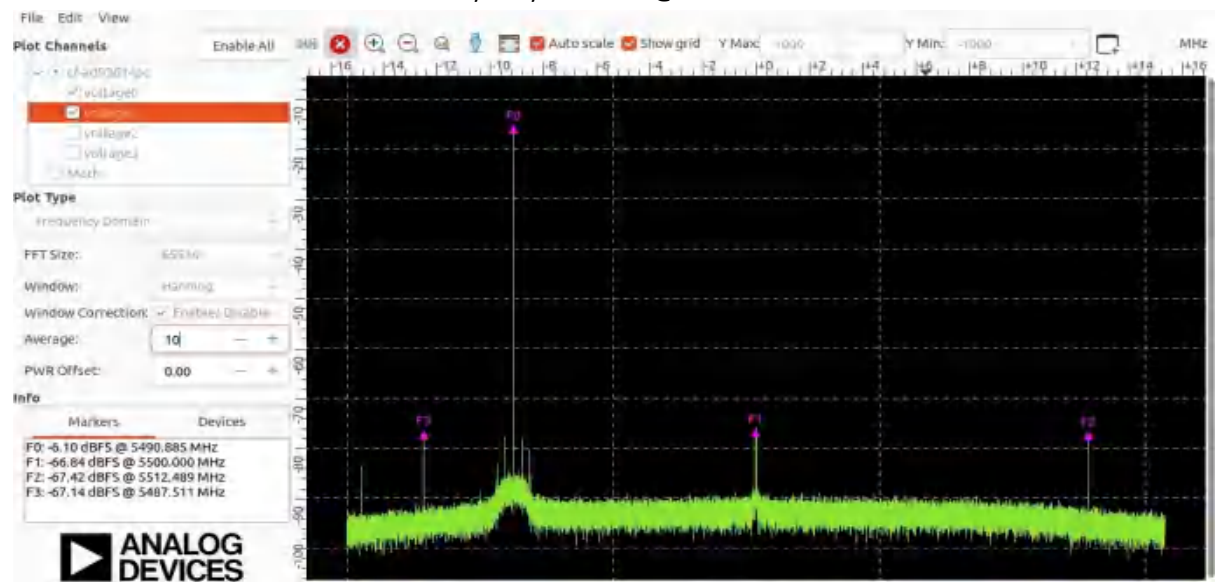


Gain max/IMR/DC offset @ 2400M

2.3 5500M



Gain max/IMR/DC offset @ 5500M



Gain max/IMR/DC offset @ 5500M