

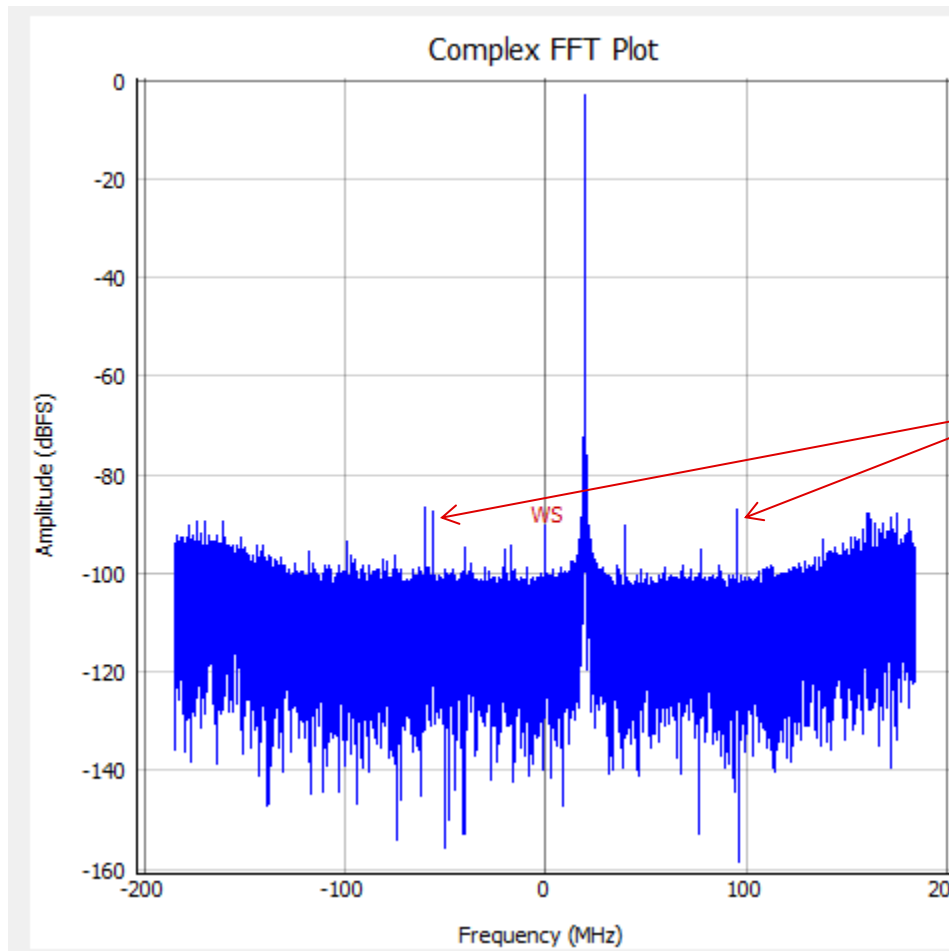
RX IQMC and Linearity Performance @150Mhz

AFE77XX

Test conditions

- AFE77XX 200M trimmed device
- RX IQ rate=368.64M
- JESD 204C, 12165.12M Lane rate

RX A : 20MHz

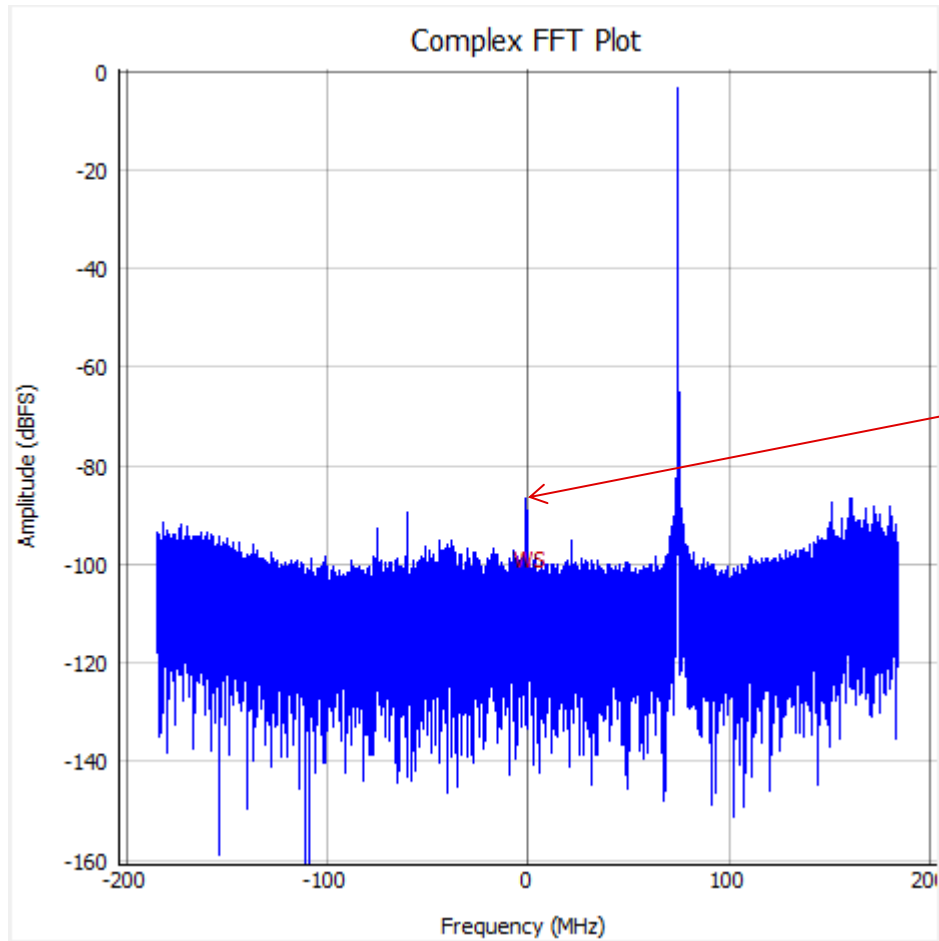


Signal=-3dBFS
Image=-92dBc

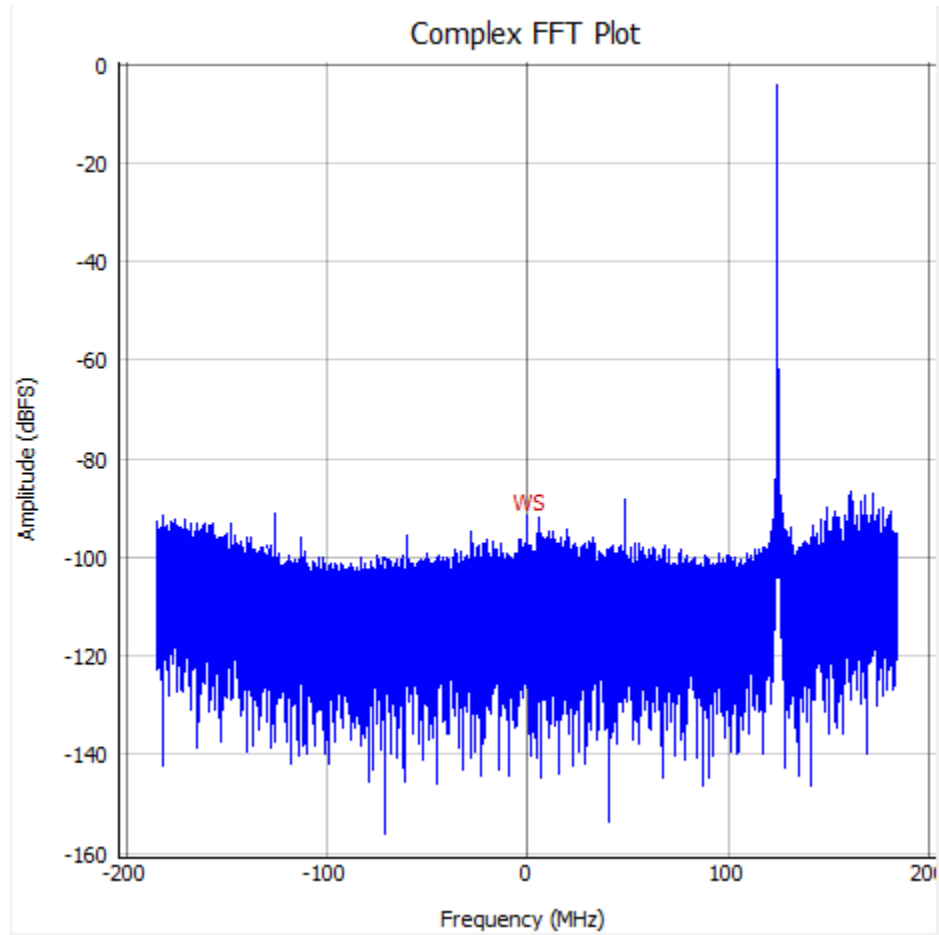
Spur at +/-76M offset is due to laneRate(=12G)/160

For 24G lane rate (use case) it will be at 152M offset

RX A: 75MHz

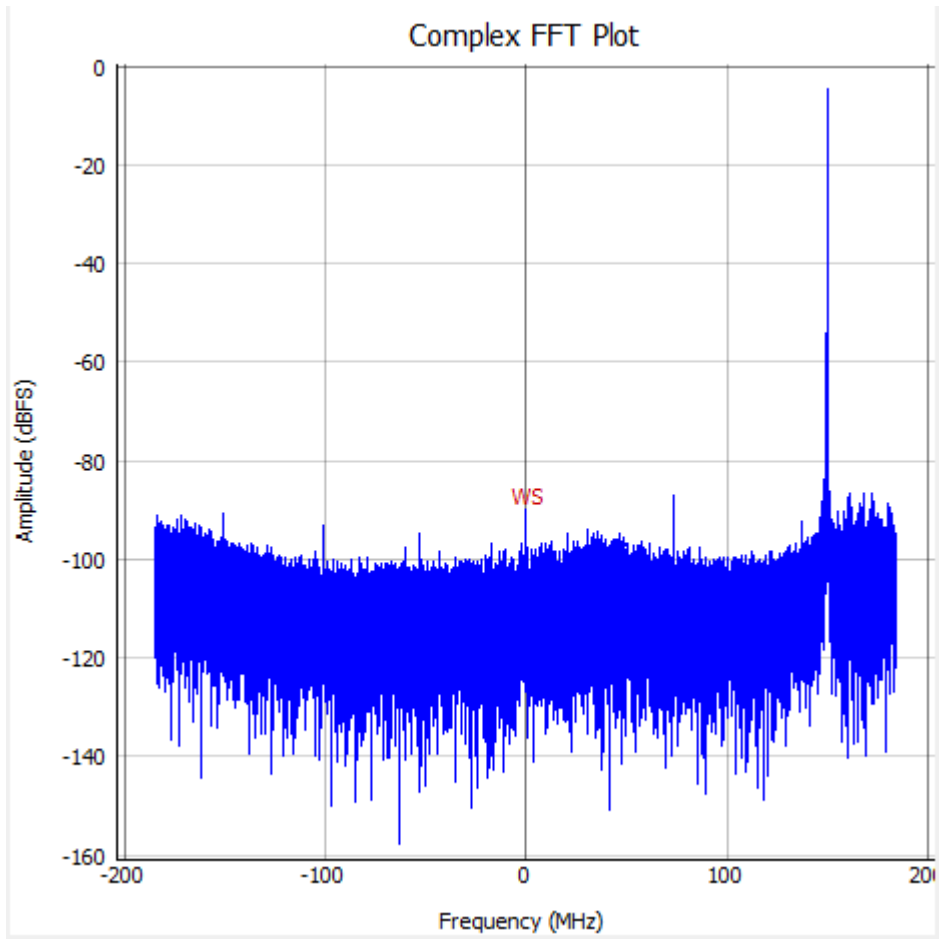


RX A: 125MHz



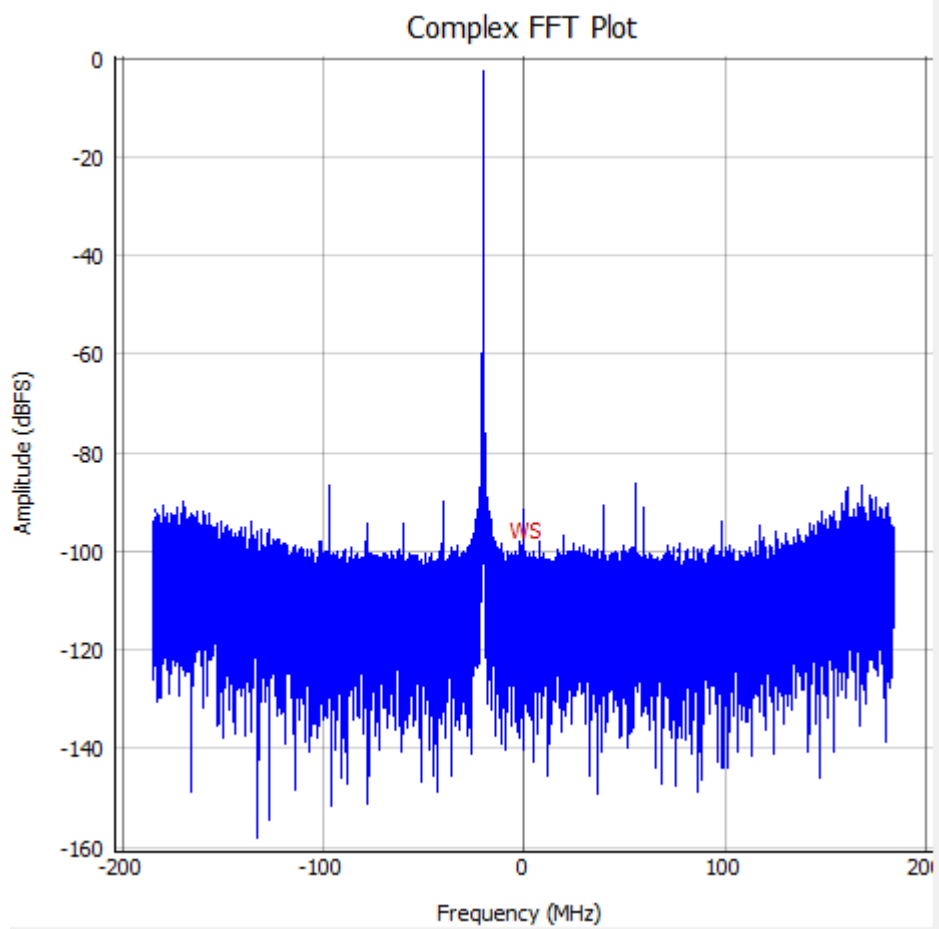
Signal=-4dBFS
Image=-87dBc

RX A: 150MHz



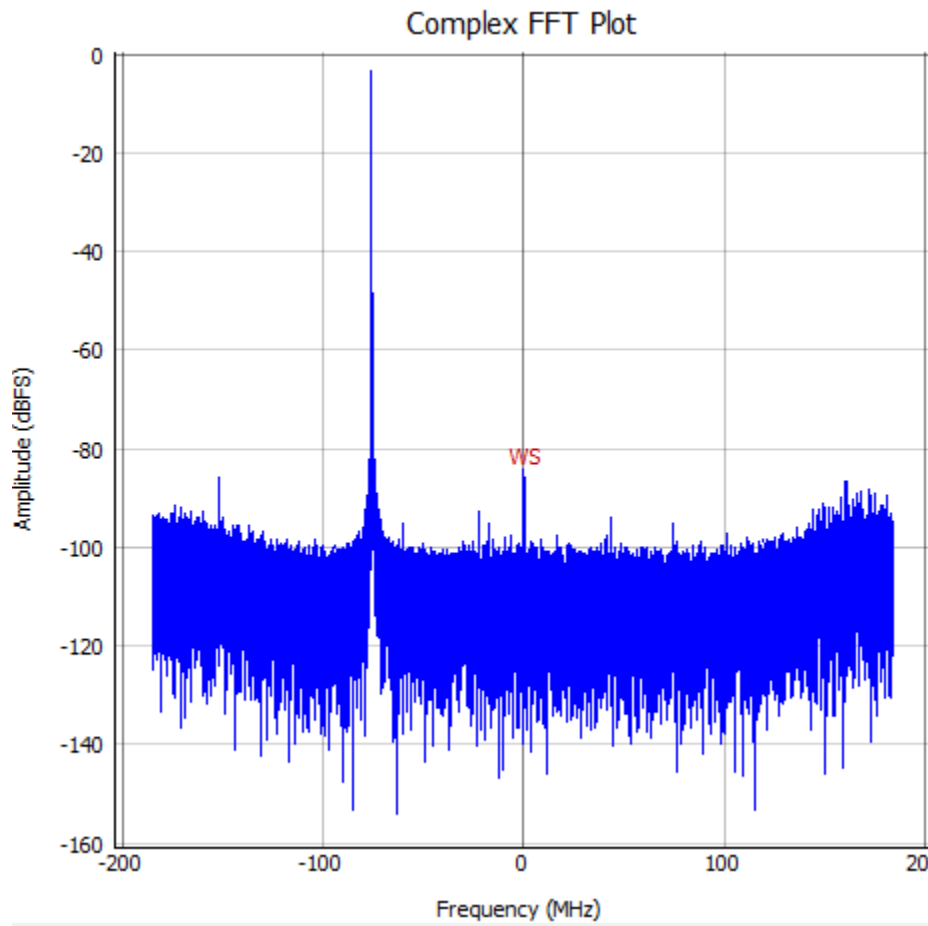
Signal=-4.4dBFS
Image=-86dBc

RX A: -20MHz



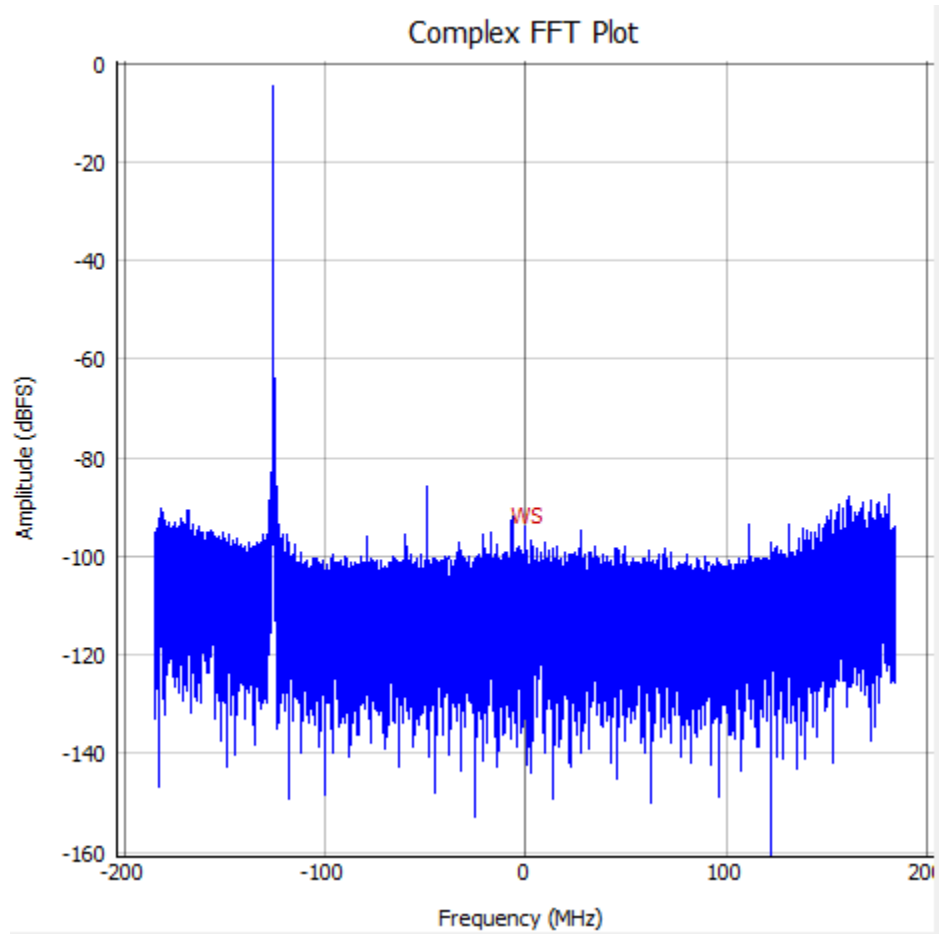
Signal=-2.7dBFS
Image=-94dBc

RX A: -75MHz



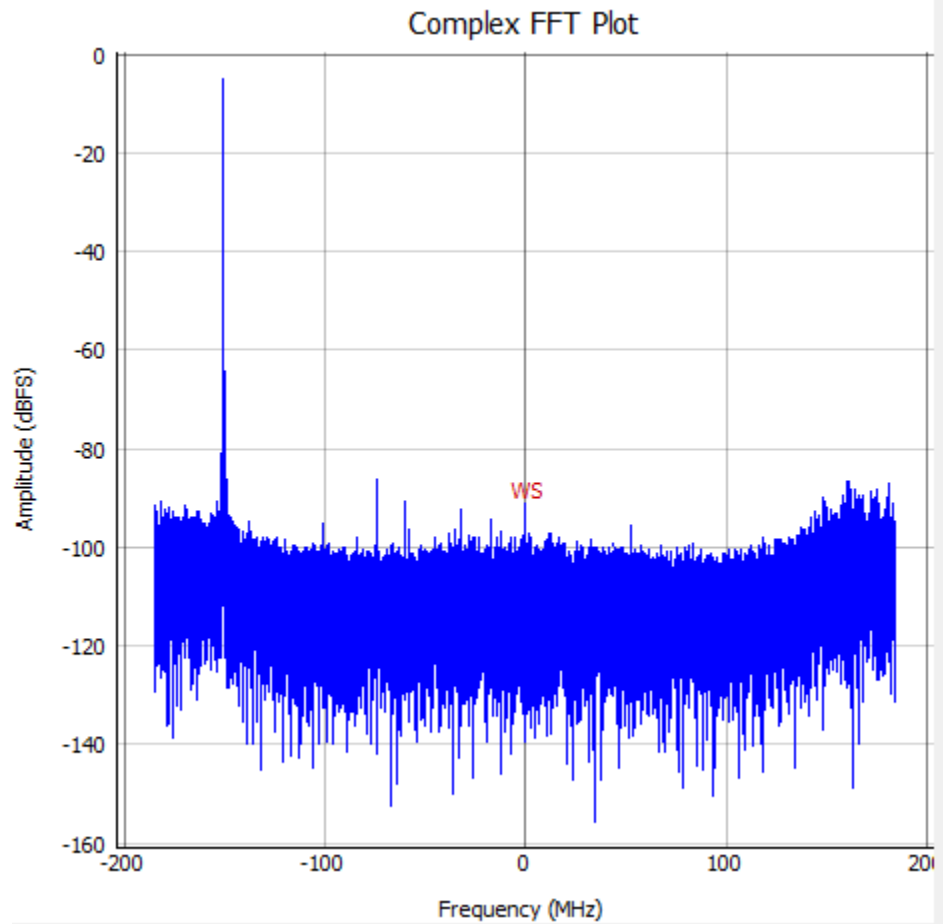
Signal=-3.2dBFS
Image=-92dBc

RX A: -125MHz



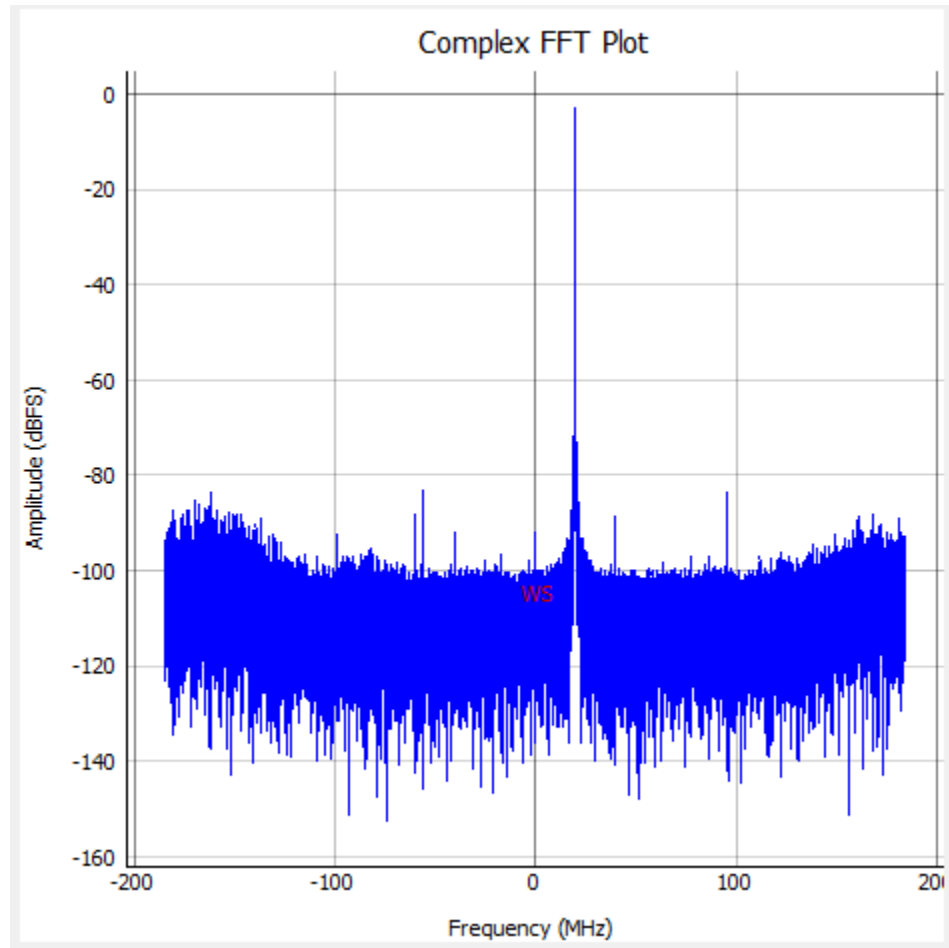
Signal=-4.5dBFS
Image=-94dBc

RX A: -150MHz



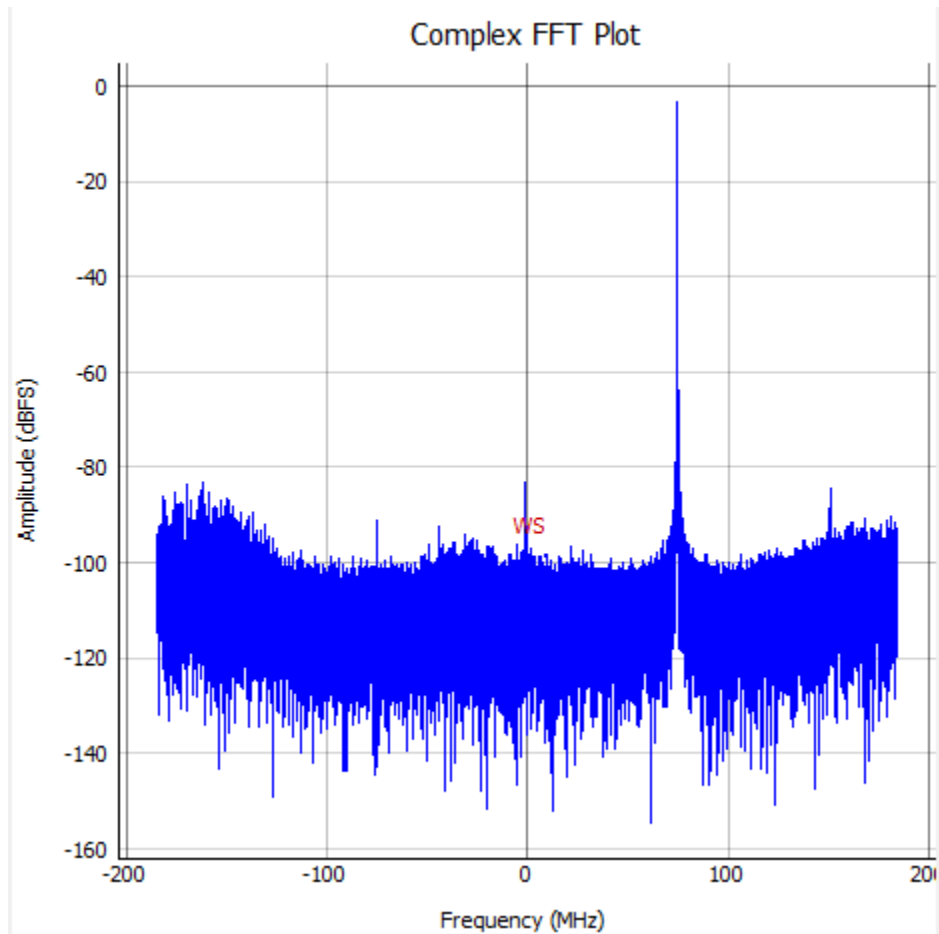
Signal=-5dBFS
Image=-92dBc

RX C: 20MHz



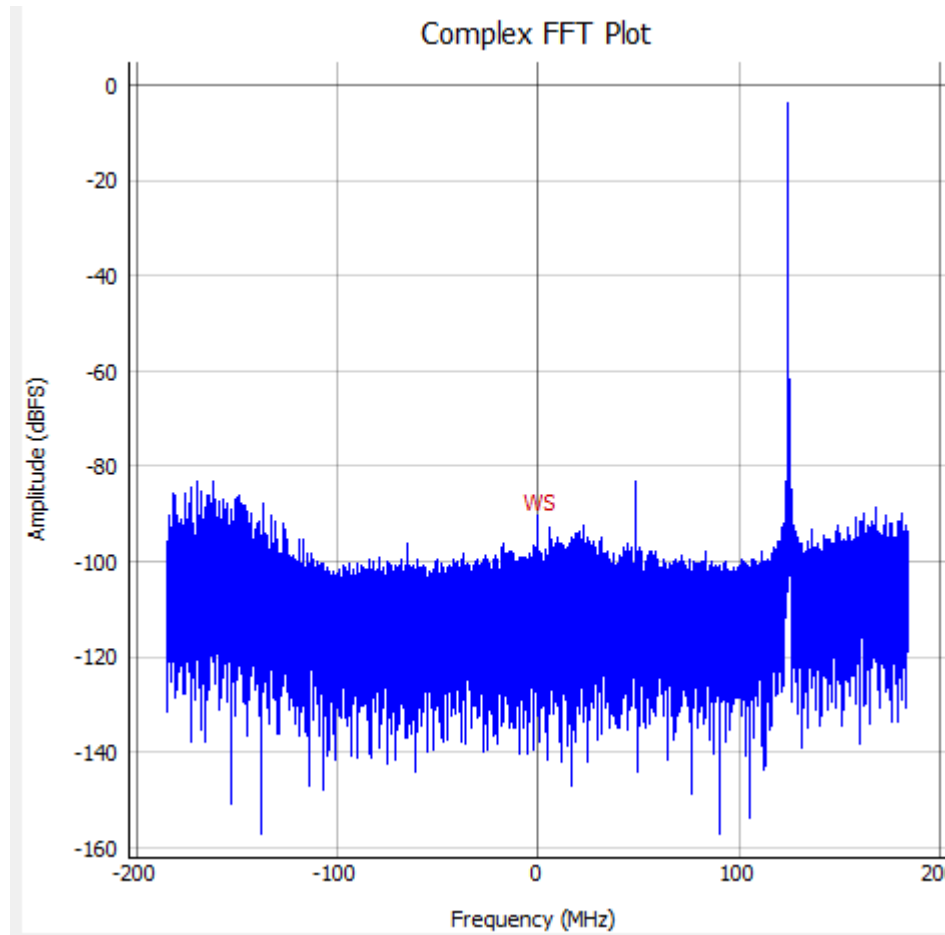
Signal=-3dBFS
Image=-100dBc

RX C: 75MHz



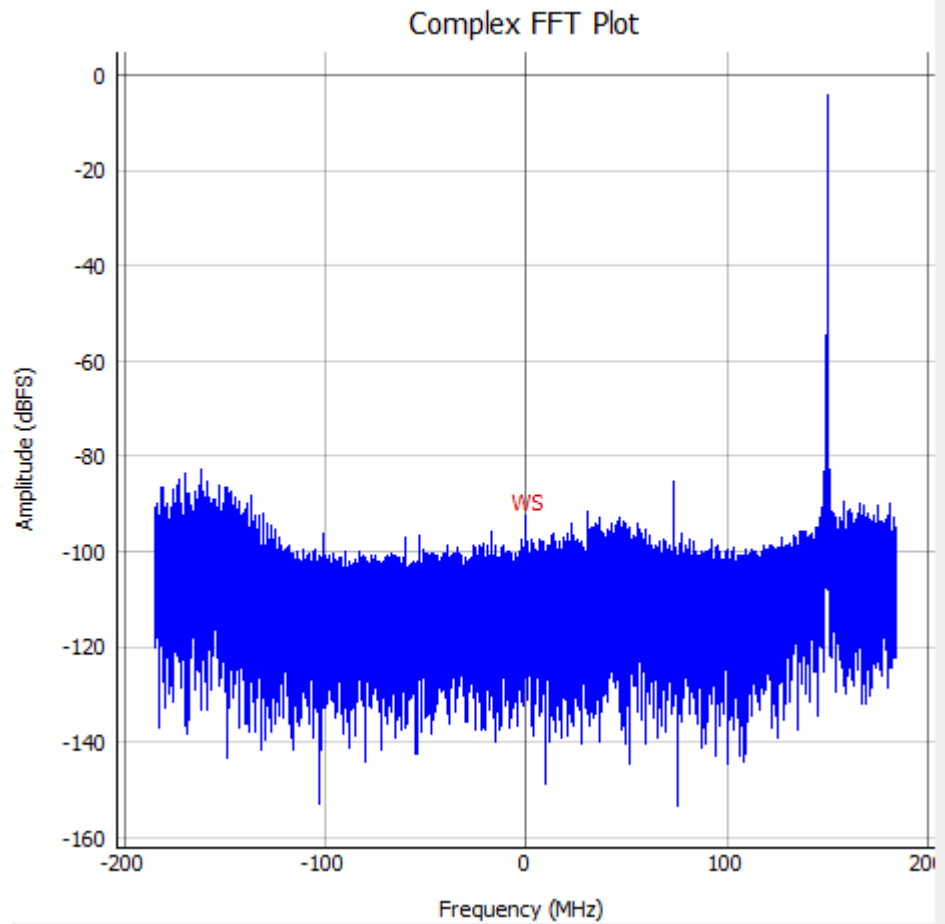
Signal=-3.2dBFS
Image=-87dBc

RX C: 125MHz



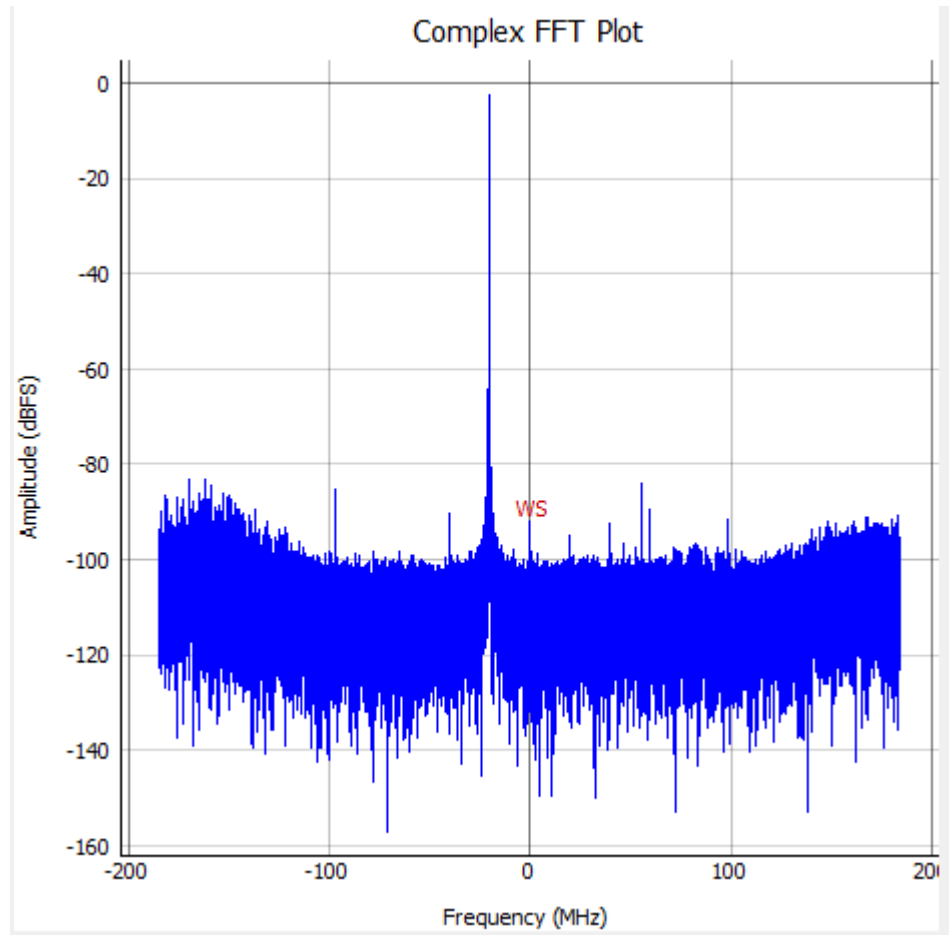
Signal=-3.7dBFS
Image=-90dBc

RX C: 150MHz



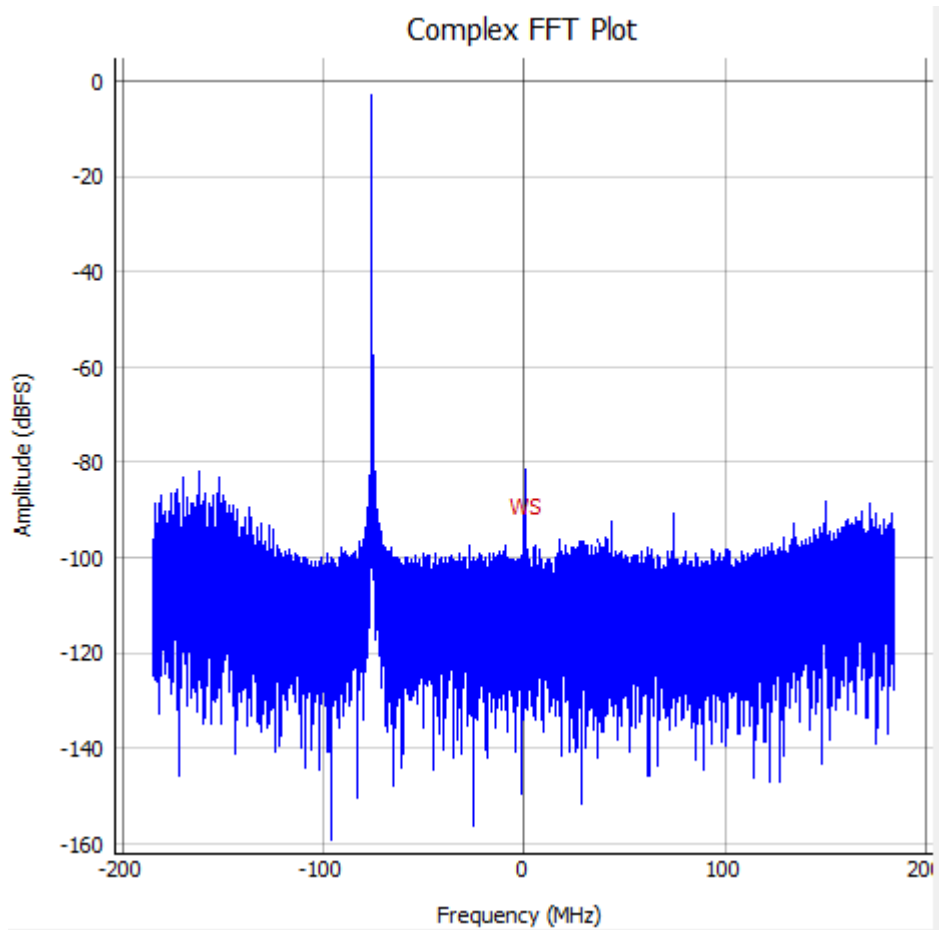
Signal=-4.1dBFS
Image=-92dBc

RX C: -20MHz



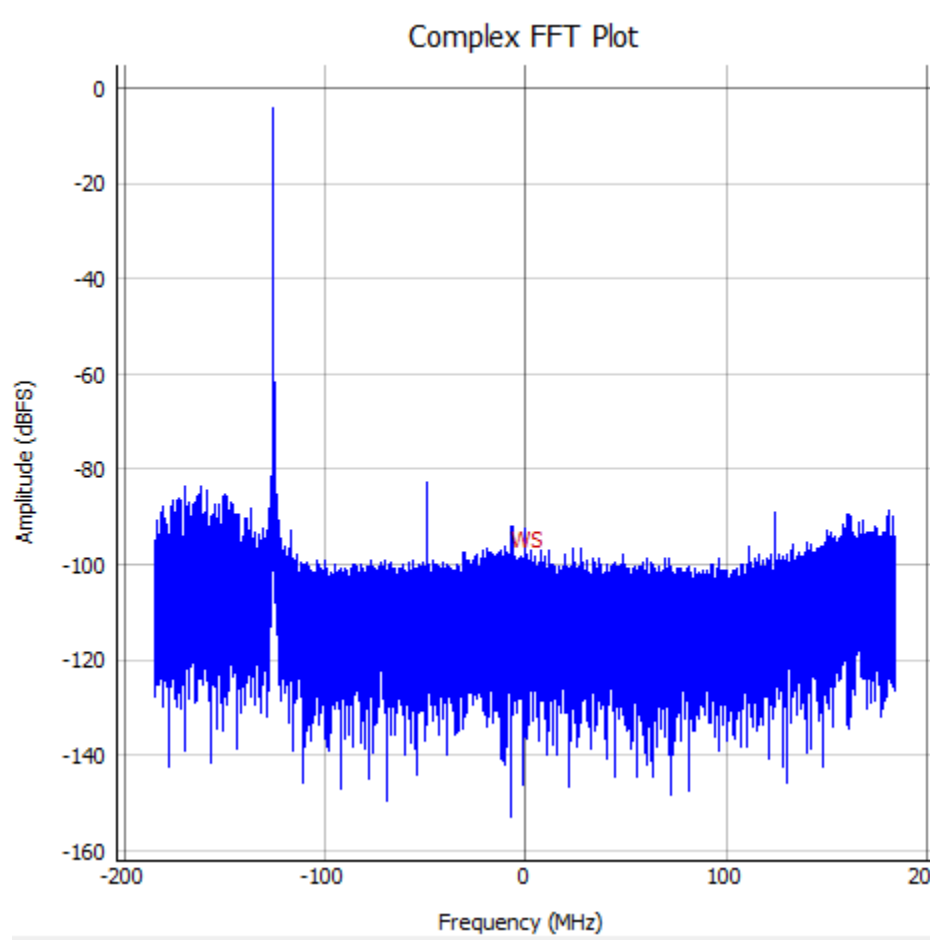
Signal=-2.7dBFS
Image=-91dBc

RX C: -75MHz



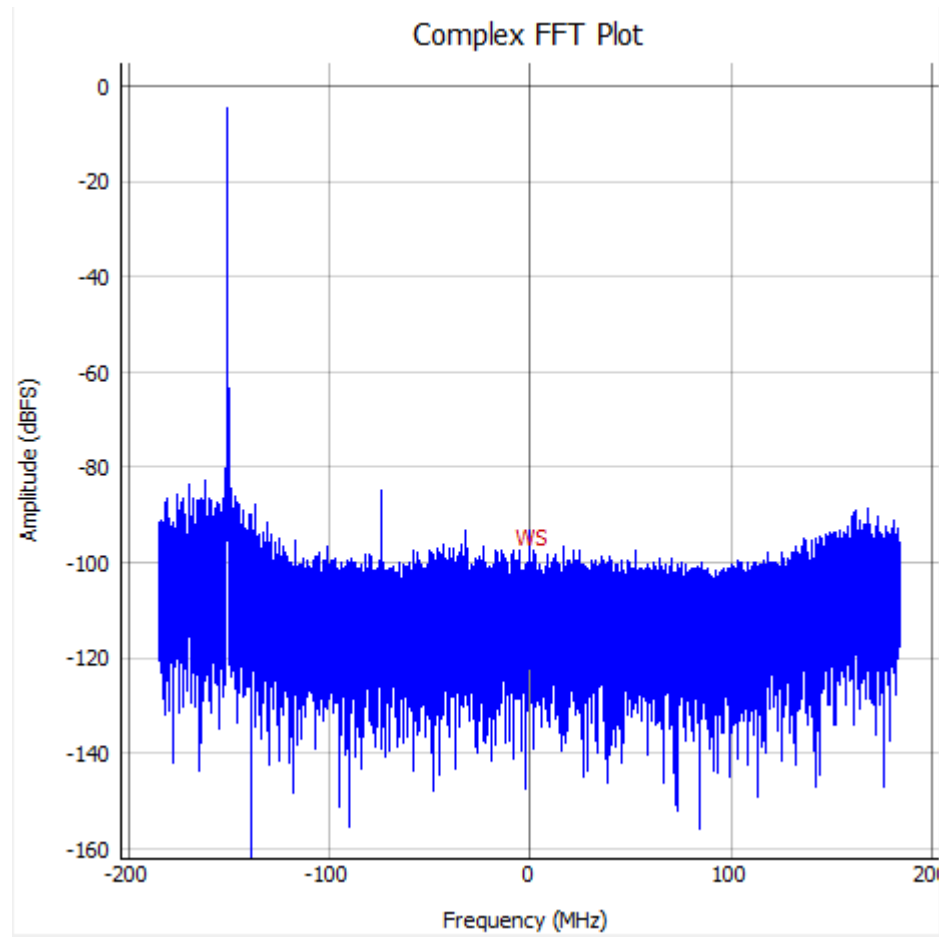
Signal=-2.9dBFS
Image=-87dBc

RX C: -125MHz



Signal=-4dBFS
Image=-85dBc

RX C: -150MHz



Signal=-4.6dBFS
Image=-91dBc