

## Downlink

1. Set Signal Generator to 478.2500 MHz with a level of -30 dBm.
2. Connect signal generator RF Out to RF In of the Fiber Optic Transmitter.
3. Connect the Optical Out of the Fiber Optic Transmitter to the 1473PA-RMT Power Amplifier FO In.
4. Set Spectrum Analyzer CENTER to 478.2500 MHz, set SPAN to 10 MHz.
5. Connect 1473PA-RMT Power Amplifier RF Out to the Spectrum Analyzer via an attenuator.
6. Apply RF into the Fiber Optic Transmitter.
7. RF level on the spectrum analyzer should be around 17 dBm.

## Uplink

1. Set Signal Generator to 481.2500 MHz with a level of -30 dBm.
2. Connect signal generator RF Out to the 1473PA-RMT LNA RF In.
3. Connect the 1473PA-RMT LNA Optical Out to the Fiber Optic Receiver Optical In.
4. Set Spectrum Analyzer CENTER to 481.2500 MHz, set SPAN to 10 MHz.
5. Connect the Fiber Optic Receiver RF Out to the spectrum analyzer.
6. Apply RF into the 1473PA-RMT LNA RF In.
7. RF level on the spectrum analyzer should be around - 4 dBm.