Source group requirements for LLRF for 4-laser Upgrade

March 14, 2016

**Channels** : 5 channels, one per laser and one for Mott DAQ, plus spare hardware

**Power Button** : Each channel can be ON/OFF, with digital I/O to laser system

**Frequency** : Each channel can be switched between 499.0 or 249.5 MHz

**Variable GSET** : 10 – 30 dBm (0.01-1.0 W), stability like 3-laser LLRF (xxx dBm)

**Variable PSET** : 360 deg at each frequency, stability like 3-laser LLRF (0.25 deg?)