

We performed few experiments, to study the challenges for optical wireless communication link in CMS between Silicon strip modules. The first experiment provides good result for using 1550nm laser, which will not cause any interference with silicon strips. In 2nd experiment it is analysed that the laser tolerance can be improved by using higher beam waist with approximately 11.7 dB of power penalty. Moreover, it is observed that 10Gbps system is also feasible at 10cm with higher power sensitivity.