

## **Necessary Bandwidth Description**

The test will use bandwidths of both 750 MHz and 1000 MHz. These bandwidths are necessary to deliver the target speeds of 1 Gbps and above while maximizing the link budget, and therefore our ability to overcome the dynamic environment impacts on the link performance. This is done by using the low complexity modulation scheme of QSPK. This results in a low spectrum efficient figure thus requiring the full channel size to achieve the Gbps speed service to be tested. We have chosen emission designators that also allows us to test 16 QAM, but our expectation is the link budget will require QPSK in many cases.