

ABSTRACT

Short Data Message (SDM) has been used worldwide in MPT1327 trunked radio network. Presently, there are many applications of Short Data Message such as Remote Monitoring and Automatic Vehicle Location System (AVLS). Short Data Messages is transferred on the control channel, sharing load with signaling traffic of voice call. When the demand for Short Data Message is increased, SDM may impact the relative loading both incoming and outgoing. Therefore, the effect of Short Data Messages on the control channel load in MPT1327 trunked radio network is studied. The parameters that are used to investigate into these effects are relative incoming load and relative outgoing load.

