

Stop Buzzer POC's:

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The AN/VRC-99B is a secure radio system operating in the 1.708-1.98 GHz band is intended for Line Of Sight (LOS) communications only. The radio employs a fixed slot time domain multiple access (TDMA) QPSK spread spectrum technique that supports a maximum of 16 radios. In the application we have considered this to be a G7D frequency emission. A user selectable burst rate of 625 kbps to 10 Mbps governs throughput as well as receiver sensitivity.

As the burst rates can be put into an adaptive mode, the means that the frequency bandwidth occupied by the spread spectrum QPSK signal may dynamically increase and decrease giving it a direct sequence (DS) and frequency hopped (FH) spread spectrum. In the application we have considered this to be a GXD frequency emission.