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## **Emergency Messaging System using Chirp Spread Spectrum Protocol**

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**Abstract:** Communication is essential for everyone. Its more essential when it comes to military operations, many of these operations takes place in remote areas which are off grid for network, this makes it harder to communicate with team members or base, using normal satellite calling in target areas may increase the risk of tracking by enemies, for basic communication army personnel use hand gestures this is not ideal when they are far away from line of sight. making it difficult to communicate properly in peak time. For solving this we propose you with our solution to make a device that can be used to communicate without need of external tower or satellite up to 18km.

**Keywords:** Wireless communication, Mesh network

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