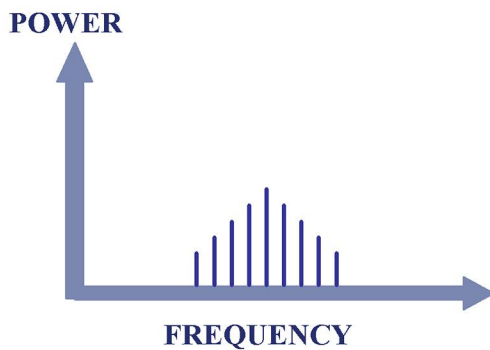


milZONE. Responsive Spot Jammer Kit

Tactical ECM products

Responsive Spot Jammer is an intelligent jammer which is equipped with an advanced responsive algorithm. The jammer has a receive antenna which monitors the communication channel closely and locates all the signals present in the channels. The jammer then identifies the suspicious signal and generates a jamming signal which blocks the enemy transmission. This is an intelligent basic jammer where all concentrated power is directed toward one channel. A single frequency is jammed by a single transmitter.



Features

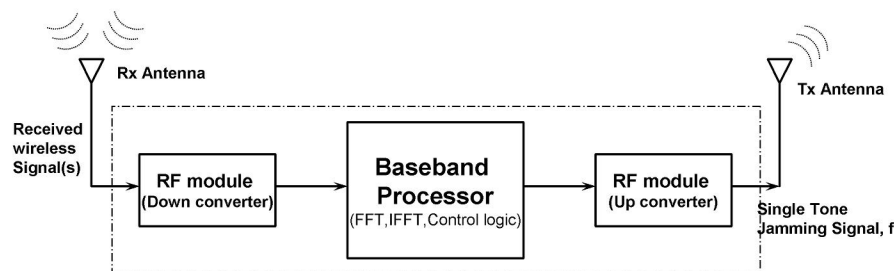
- Identify the communication signal
- Determine the signal frequency
- Generate the jamming signal
- Transmit the jamming signal
- Intelligent spot jamming

Specifications

- Two RF channels (Rx & Tx module each)
- Single tone and Narrow band modulated signal out
- 2.4 GHz to 2.5 GHz license free spectrum
- High performance baseband processor with 1.5 Million gates with ADC/DAC
- FFT & IFFT IP core
- FSK, BPSK, QPSK, QAM and continuous wave out
- Response time: ~9 micro seconds
- Optional power amplifiers

Research & Experiments

- RF up/down conversion
- Signal processing algorithm and IFFT
- Single tone signal generation
- Frequency determination using FFT
- Jamming signal generation using IFFT
- Jamming signal generation using LUT
- Narrow band jamming signal generation
- Jamming margin calculation



Responsive Spot Jammer Kit Block Diagram

polarizone



Innovative wireless platforms



Contact

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